

# Recombinant Human Erythrocyte band 7 integral membrane protein(STOM)

Catalog No: #AP74565

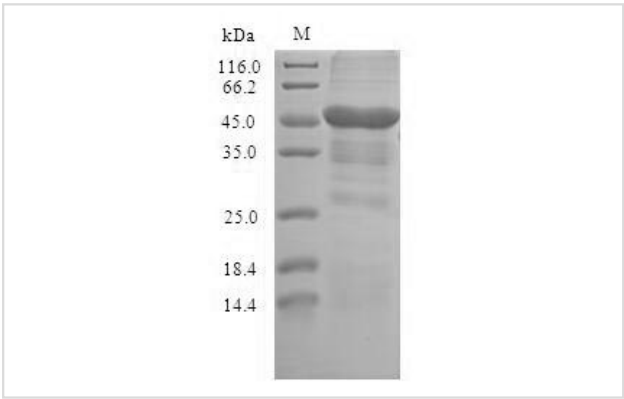
Package Size: #AP74565-1 20ug #AP74565-2 100ug #AP74565-3 1mg

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## Description

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Recombinant Human Erythrocyte band 7 integral membrane protein(STOM)                                                                                                                                                                                                                                                                                                                            |
| Brief Description     | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                             |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                          |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen Description | Expression Region:1-288aaSequence Info:Full Length                                                                                                                                                                                                                                                                                                                                              |
| Other Names           | Protein 7.2b<br>Stomatin                                                                                                                                                                                                                                                                                                                                                                        |
| Accession No.         | P27105                                                                                                                                                                                                                                                                                                                                                                                          |
| Uniprot               | P27105                                                                                                                                                                                                                                                                                                                                                                                          |
| GeneID                | 2040;                                                                                                                                                                                                                                                                                                                                                                                           |
| Calculated MW         | 47.7 kDa                                                                                                                                                                                                                                                                                                                                                                                        |
| Tag Info              | N-terminal 6xHis-SUMO-tagged                                                                                                                                                                                                                                                                                                                                                                    |
| Target Sequence       | MAEKRHTRDSEAQRLPDSFKDSPSKGLGPCGWILVAFSFLFTVITFPISIWMCIKIIKEYERAIIFRLGRILQGGAK<br>GPGLFFILPCTDSFIKVD MRTISFDIPPQEILT KDSVTISVDGVVYRVQNATLAVANITNADSATRLLAQTTLRNV<br>LGTKNLSQILSDREEIAHNMQSTLDDATDAWGIKVERVEIKDVKLPVQLQRAMAAEAEASREARAKVIAAEGEM<br>NASRALKEASMVITESPAALQLRYLQTLTTIAAEKNSTIVFPLPIDMLQGIGAKHSHLG                                                                                    |
| Formulation           | Tris-based buffer50% glycerol                                                                                                                                                                                                                                                                                                                                                                   |
| Storage               | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br><br>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

## Images



## Background

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Regulates ion channel activity and transmembrane ion transport. Regulates ASIC2 and ASIC3 channel activity.

## References

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"Stomatin interacts with GLUT1,SLC2A1, band 3,SLC4A1, and aquaporin-1 in human erythrocyte membrane domains."Rungaldier S., Oberwagner W., Salzer U., Csaszar E., Prohaska R.Biochim. Biophys. Acta 1828:956-966(2013)Research Topic:Neuroscience

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Note: This product is for in vitro research use only