

# Recombinant Human Stromelysin-2(MMP10)

Catalog No: #AP70545

Package Size: #AP70545-1 20ug #AP70545-2 100ug #AP70545-3 1mg

## Description

|                       |                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Recombinant Human Stromelysin-2(MMP10)                                                                                                                                                                                                                                                                                                                                                                  |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                             |
| Immunogen Description | Expression Region:99-476aaSequence Info:Full Length                                                                                                                                                                                                                                                                                                                                                     |
| Other Names           | Matrix metalloproteinase-10 ;MMP-10Transin-2                                                                                                                                                                                                                                                                                                                                                            |
| Accession No.         | P09238                                                                                                                                                                                                                                                                                                                                                                                                  |
| Calculated MW         | 47 kDa                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag Info              | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                 |
| Target Sequence       | FSSFPGMPKWRKTHLTIRIVNYTPDLPRDAVDSAIEKALKVWEEVTPLTFSRLYEGEADIMISFAVKEHGDFYS<br>FDGPGHSLAHAYPPGPGLYGDIHFDDDEKWTEASGTNLFVAAHELGHSLGLFHSANTEALMYPLYNSFTEL<br>AQFRLSQDDVNGIQSLYGPPASTEEPLVPTKSVPSGSEMPAKCDPALSFDAISTLRGEYLFKDRYFWRRSH<br>WNPEPEFHLISAFWPSLPSYLDAAEYVNSRDVTFIFKGNEFWAIRGNEVQAGYPRGIHTLGFPTIRKIDAAVS<br>DKEKKKTYFFAADKYWRFDENSSMEQGFRLIADDFPGVEPKVDAVLQAFGFFYFFSGSSQFEFDPNARMV<br>THILKSNSWLHC |
| 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.         |

## Background

Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.

## References

The collagenase gene family in humans consists of at least four members.Muller D., Quantin B., Gesnel M.-C., Millon-Collard R., Abecassis J., Breathnach R.Biochem. J. 253:187-192(1988)Research Topic:Cancer

Note: This product is for in vitro research use only and is not intended for use in humans or animals.