

Recombinant Human Proteasome subunit alpha type-1

Catalog No: #AP70674

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Package Size: #AP70674-1 20ug #AP70674-2 100ug #AP70674-3 1mg

Description

Product Name	Recombinant Human Proteasome subunit alpha type-1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-251aaSequence Info:Partial
Other Names	30KDA prosomal protein ;PROS-30Macropain subunit C2Multicatalytic endopeptidase complex subunit C2;Proteasome component C2;Proteasome nu chain
Accession No.	P25786
Uniprot	P25786
GeneID	5682;
Calculated MW	32.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MFRNQYDNDVTWSPQGRHQIEYAMEAVKQGSATVGLKSKTHAVLVALKRAQSELAHQKKILHVDNHIGISI AGLTADARLLCNFMQRQECLDSRFVDRPLPVSRLVSLIGSKTQIPTQRYGRRPYGVGLLIAGYDDMGPHIFQT CPSANYFDCRAMSIGARSQSARTYLERHMECFMECNLNLVKHGLRALRETLPAEQDLTTKNVSIQIVGKDLE FTIYDDDDVSPFLEGLEERPQRKAQPAQPAD
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. 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

The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. Mediates the lipopolysaccharide-induced signal transduction in the macrophage proteasome . Might be involved in the anti-inflammatory response of macrophages during the interaction with C.albicans heat-inactivated cells .

References

"N-terminome analysis of the human mitochondrial proteome."Vaca Jacome A.S., Rabilloud T., Schaeffer-Reiss C., Rompais M., Ayoub D., Lane L., Bairoch A., Van Dorsselaer A., Carapito C.Proteomics 15:2519-2524(2015) Research Topic:Immunology

Note: This product is for in vitro research use only