

Recombinant human Proteasome activator complex subunit 3 protein

Catalog No: #AP72222

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Package Size: #AP72222-1 20ug #AP72222-2 100ug #AP72222-3 1mg

Description

Product Name	Recombinant human Proteasome activator complex subunit 3 protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-252aaSequence Info:Partial
Other Names	11S regulator complex subunit gamma ;REG-gammaActivator of multicatalytic protease subunit 3Ki nuclear autoantigen;Proteasome activator 28 subunit gamma ;PA28g ;PA28gamma
Accession No.	P61289
Uniprot	P61289
GeneID	10197;
Calculated MW	56.1 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	ASLLKVDQEVKLVDSFRERITSEAEDLVANFFPKLLELDSFLKEPILNIHDLTQIHSDMNLPVPDPILLTNSHD GLDGPTYKKRRLDECEEFQGTQKVFVMPNGMLKSNQQLVDIIEKVKPEIRLLIEKCNTVKMWWQLLIPRIEDGN NFGVSIQEETVAELRTVESEAAASYLDQISRYIYITRAKLVSKIAKYPHVEDYRRTVTEIDEKEYISLRLLISELRNQY VTLHDMILKNIEKIKRPRSSNAET
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

Subunit of the 11S REG-gamma (also called PA28-gamma) proteasome regulator, a doughnut-shaped homoheptamer which associates with the proteasome. 11S REG-gamma activates the trypsin-like catalytic subunit of the proteasome but inhibits the chymotrypsin-like and postglutamyl-preferring (PGPH) subunits. Facilitates the MDM2-p53,TP53 interaction which promotes ubiquitination- and MDM2-dependent proteasomal degradation of p53,TP53, limiting its accumulation and resulting in inhibited apoptosis after DNA damage. May also be involved in cell cycle regulation.

References

Cloning and nucleotide sequence of cDNA for Ki antigen, a highly conserved nuclear protein detected with sera from patients with systemic lupus erythematosus.Nikaido T., Shimada K., Shibata M., Hata M., Sakamoto M., Takasaki Y., Sato C., Takahashi T., Nishida Y.Clin. Exp. Immunol. 79:209-214(1990)Research Topic:Apoptosis

Note: This product is for in vitro research use only