Recombinant Human PSME1, His-tagged

Cat. No. PSME1-2833H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PSME1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 30.8kDa (269aa) confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	PSME1 is an interferon gamma (IFNG) inducible proteasome activator required for presentation of certain major histocompatibility (MHC) class I antigens. The PSME1 complex is an alternative proteasome activator that does not employ the use of ubiquitin. The PSME1 complex is composed of two homologous subunits, alpha and beta, which have similar catalytic properties and associate to form a hexameric ring.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MAMLRVQPEA QAKVDVFRED LCTKTENLLG SYFPKKISEL DAFLKEPALN EANLSNLKAP LDIPVPDPVK EKEKEERKKQ QEKEDKDEKK KGEDEDKGPP CGPVNCNEKI VVLLQRLKPE IKDVIEQLNL VTTWLQLQIP RIEDGNNFGV AVQEKVFELM TSLHTKLEGF HTQISKYFSE RGDAVTKAAK QPHVGDYRQL VHELDEAEYR DIRLMVMEIR NAYAVLYDII LKNFEKLKKP RGETKGMIY
Purity	> 90% by SDS – PAGE.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl.

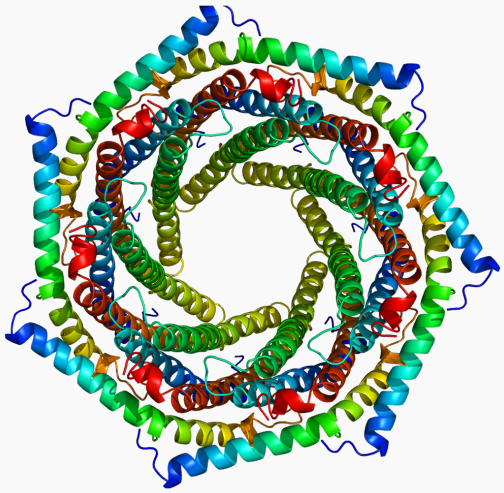
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Concentration	0.5 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	PSME1 proteasome (prosome, macropain) activator subunit 1 (PA28 alpha) [Homo sapiens]
Synonyms	PSME1; proteasome (prosome, macropain) activator subunit 1 (PA28 alpha); PA28A; IFI5111; MGC8628; REGalpha; PA28alpha; proteasome activator complex subunit 1; REG-alpha; IGUP I-5111; OTTHUMP00000164702; 29-kD MCP activator subunit; interferon-gamma IEF SSP 5111; proteasome activator subunit-1; 11S regulator complex alpha subunit; 11S regulator complex subunit alpha; proteasome activator 28 subunit alpha; interferon-gamma-inducible protein 5111; interferon gamma up-regulated I-5111 protein; activator of multicatalytic protease subunit 1
Gene ID	5720
mRNA Refseq	NM_006263
Protein Refseq	NP_006254
MIM	600654
UniProt ID	Q06323
Chromosome Location	14q11.2
Pathway	Antigen processing and presentation; Proteasome

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