Recombinant Human PSMA2 Protein isoform 1, C-His-tagged

Cat. No. PSMA2-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PSMA2 Protein isoform 1, fused to His-tag at C-terminus, was expressed in HEK293T.
Species	Human
Source	HEK293
ProteinLength	153-347 aa
Description	The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the peptidase T1A family, that is a 20S core alpha subunit.
Form	Liquid. In PBS PH7.4 and 5% glycerinum.
Molecular Mass	~ 21.6 kDa
AA Sequence	YENVSDIVPPFSAFSPQGMPEGDLVYVNYARTEDFFKLERDMKINCSGKIVIARYGK VFR GNKVKNAQLAGAKGVILYSDPADYFAPGVKSYPDGWNLPGGGVQRGNILNLN GAGDPLTPGYPANEYAYR RGIAEAVGLPSIPVHPIGYYDAQKLLEKMGGSAPPDSS

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	WRGSLKVPYNVGPGFTGNFSTQKVHHHHHH
Purity	>90% as determined by SDS-PAGE
Storage	Short Term Storage at 4 centigrade, Long Term, please prepare aliquots with 20% glycerol and store at -20 to -80 centigrade. Avoid freeze/thaw cycles.
Concentration	0.5 mg/ml

GENE INFORMATION

Gene Name	PSMA2 proteasome 20S subunit alpha 2 [Homo sapiens (human)]
Official Symbol	PSMA2
Synonyms	MU; HC3; PSC2; PMSA2; PSMA2
Gene ID	5683
mRNA Refseq	NM_002787.5
Protein Refseq	NP_002778.1
MIM	176842
UniProt ID	P25787

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