OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AR50251PU-N

PSMB7 (44-277, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PSMB7 (44-277, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MTTIAGVVYK DGIVLGADTR ATEGMVVADK NCSKIHFISP NIYCCGAGTA ADTDMTTQLI SSNLELHSLS TGRLPRVVTA NRMLKQMLFR YQGYIGAALV LGGVDVTGPH LYSIYPHGST DKLPYVTMGS GSLAAMAVFE DKFRPDMEEE EAKNLVSEAI AAGIFNDLGS GSNIDLCVIS KNKLDFLRPY TVPNKKGTRL GRYRCEKGTT AVLTEKITPL EIEVLEETVQ TMDTS
Tag:	His-tag
Predicted MW:	27.6 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PSMB7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_002790
Locus ID:	5695
UniProt ID:	Q99436, E9KL30
Cytogenetics:	9q33.3
Synonyms:	Z

View online »

Summary: 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. The encoded protein is a member of the proteasome B-type family, also known as the T1B family, and is a 20S core beta subunit in the proteasome. Expression of this catalytic subunit is downregulated by gamma interferon, and proteolytic processing is required to generate a mature subunit. A pseudogene of this gene is located on the long arm of chromosome 14. [provided by RefSeq, Jul 2012]

Protein Families: Druggable Genome, Protease

Protein Pathways: Proteasome