

Product datasheet for **AR50161PU-S**

PSMA5 (1-241, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PSMA5 (1-241, His-tag) human recombinant protein, 10 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMLT RSEYDRGVNT FSPEGRLFQV EYAIEAIKLG STAIGIQTSE GVCLAVEKRI TSPLMEPSSI EKIVEIDAH I GCAMSGLIAD AKTLIDKARV ETQNHWFYTN ETMTVESVTQ AVSNLALQFG EEDADPGAMS RPFVALLFG GVDEKGPQLF HMDPSGTFVQ CDARAIGSAS EGAQSSLQEV YHKSM TLKEA IKSSLIILKQ VMEEKLNATN IELATVQPGQ NFHMFTKEEL EEVIKDI
Tag:	His-tag
Predicted MW:	30.5 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 10% glycerol, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PSMA5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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_001186701
Locus ID:	5686
UniProt ID:	P28066
Cytogenetics:	1p13.3
Synonyms:	PSC5; ZETA



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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. 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. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been found for this gene. [provided by RefSeq, Dec 2010]

Protein Families:

Druggable Genome, Protease

Protein Pathways:

Proteasome

Product images: