

Product datasheet for AR50161PU-S

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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 KDRWGSMFLT RSEYDRGVNT FSPEGRLFQV EYAIEAIKLG STAIGIQTSE GVCLAVEKRI TSPLMEPSSI EKIVEIDAHI GCAMSGLIAD AKTLIDKARV

ETQNHWFTYN ETMTVESVTQ AVSNLALQFG EEDADPGAMS RPFGVALLFG GVDEKGPQLF HMDPSGTFVQ CDARAIGSAS EGAQSSLQEV YHKSMTLKEA 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





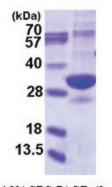
Summary:

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:



15% SDS-PAGE (3ug)