

Product datasheet for AR50146PU-S

PSMB2 (1-201, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: PSMB2 (1-201, His-tag) human recombinant protein, 50 µg

Species: Human E. coli **Expression Host:**

Expression cDNA Clone MGSSHHHHHH SSGLVPRGSH MEYLIGIQGP DYVLVASDRV AASNIVQMKD DHDKMFKMSE

or AA Sequence: KILLLCVGEA GDTVQFAEYI QKNVQLYKMR NGYELSPTAA ANFTRRNLAD CLRSRTPYHV

NLLLAGYDEH EGPALYYMDY LAALAKAPFA AHGYGAFLTL SILDRYYTPT ISRERAVELL RKCLEELQKR

FILNLPTFSV RIIDKNGIHD LDNISFPKOG S

Tag: His-tag Predicted MW: 24.9 kDa **Concentration:** lot specific

>90% by SDS - PAGE **Purity:**

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 30% glycerol, 0.1M NaCl

Preparation: Liquid purified protein

Protein Description: Recombinant human PSMB2 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.

Shelf life: one year from despatch. Stability:

RefSeq: NP 001186708

5690 Locus ID: **UniProt ID:** B7Z478 Cytogenetics: 1p34.3 HC7-I Synonyms:



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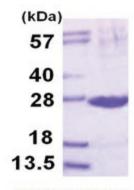
Summary:

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 proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. Multiple alternatively spliced transcript variants encoding 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)