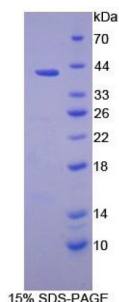


Human 26S Proteasome Non-ATPase Regulatory Subunit 7 (PSMD7) Protein

Catalogue No.: abx068724



SDS-PAGE analysis of Human PSMD7 Protein.

Recombinant Proteasome 26S Subunit, Non ATPase 7 (PSMD7) is a recombinant Human protein produced in a Prokaryotic expression system (E. coli). The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase 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 non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 17.

Target: 26S Proteasome Non-ATPase Regulatory Subunit 7 (PSMD7)

Origin: Human

Expression: Recombinant

Tested Applications: WB, SDS-PAGE

Host: E. coli

Conjugation: Unconjugated

Form: Lyophilized

Activity: Not tested

Purity: > 95%

Reconstitution: To keep the original salt concentration, we recommend reconstituting to the original concentration prior to lyophilization (see Concentration) in ddH₂O. If a lower concentration is required, dilute in PBS, pH 7.4. If a higher concentration is required, the product can be reconstituted directly in PBS, pH 7.4, though please note that this will change the overall salt concentration. The stock concentration should be between 0.1-1.0 mg/ml. Do not vortex.

Datasheet

Version: 4.0.0
Revision date: 21 Oct 2025



Storage: Store at 2-8°C for up to one month. For long-term storage, store at -80°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P51665 ([UniProt](#), [ExPASy](#))

Gene Symbol: PSMD10

GeneID: [5713](#)

OMIM: [157970](#)

HGNC: 9565

KEGG: hsa:5713

Ensembl: ENSG00000103035

String: [9606.ENSP00000219313](#)

Molecular Weight: Calculated MW: 40.8 kDa

Sequence Fragment: Met1-Lys324

Sequence: MPELAVQKV VVHPLVLLSVV DHFNIRIGKVG NQKR VVGVL LGSWQKKVLDV SNSFAVPFDE
DDKDDSVWFL DHDYLENMYG MFKKVNARER IVGWYHTGPK LHKNDIAINE LMKRYCPNSV
LVIIDVKPKD LGLPTEAYIS VEEVHDDGTP TSKTFEHVTS EIGAEAEAEV GVEHLLRDIK
DTTVGTLSQR ITNQVHGLKG LNSKLLDIRS YLEKVATGKL PINHQIYYQL QDVFNLLPDV
SLQEFVKAFY LKTNDQMVVV YLASLIRSVV ALHNLINNKI ANRDAEKKEG QEKEESKKDR
KEDKEKDKDK EKSDVKKEEK KEKK

Tag: N-terminal His tag

Buffer: Prior to lyophilization: PBS, pH 7.4, containing 0.01% Sarcosyl, 1 mM DTT, 5% Trehalose and Proclin-300.

Concentration: Prior to lyophilization: 200 µg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.