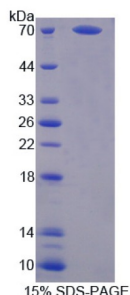


Human 26S Proteasome Non-ATPase Regulatory Subunit 4 (PSMD4) Protein

Catalogue No.: abx168101



SDS-PAGE analysis of Proteasome 26S Subunit, Non ATPase 4 Protein.

Proteasome 26S Subunit, Non ATPase 4 Protein is a recombinant Human protein expressed in *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 one of the non-ATPase subunits of the 19S regulator lid. Pseudogenes have been identified on chromosomes 10 and 21.

Target: 26S Proteasome Non-ATPase Regulatory Subunit 4 (PSMD4)

Origin: Human

Expression: Recombinant

Tested Applications: WB, SDS-PAGE

Host: *E. coli*

Conjugation: Unconjugated

Form: Lyophilized

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.

Storage: Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.

Datasheet

Version: 2.0.0
Revision date: 10 Jun 2025



UniProt Primary AC: P55036 ([UniProt](#), [ExPASy](#))

Gene Symbol: PSMD4

GeneID: [5710](#)

OMIM: [601648](#)

NCBI Accession: NP_002801.1, NM_002810.2

HGNC: 9561

KEGG: hsa:5710

Ensembl: ENSG00000159352

String: [9606.ENSP00000357879](#)

Molecular Weight: Calculated MW: 70.7 kDa

Sequence Fragment: Met1-Lys377

Tag: N-terminal His tag and GST tag

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

Activity: Not tested

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.