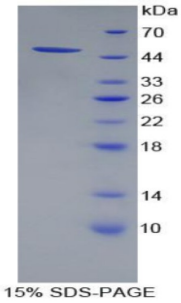
Human 26S Proteasome Regulatory Subunit 6B (PSMC4) Protein

Catalogue No.:abx068719



SDS-PAGE analysis of Human PSMC4 Protein.

Recombinant 26S Proteasome Regulatory Subunit 6B (PSMC4) 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. This gene encodes a member of the triple-A family of ATPases that is a component of the 19S regulatory subunit and plays a role in 26S proteasome assembly. The encoded protein interacts with gankyrin, a liver oncoprotein, and may also play a role in Parkinson's disease through interactions with synphilin-1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Target:	26S Proteasome Regulatory Subunit 6B (PSMC4)
Origin:	Human
Expression:	Recombinant
Tested Applications:	WB, SDS-PAGE
Host:	E. coli
Conjugation:	Unconjugated
Form:	Lyophilized
Activity:	Not tested
Purity:	> 90%
Reconstitution:	To keep the original salt concentration, we recommend reconstituting to the original concentration prior to lyophilization (see Concentration) in ddH_2O. If a lower concentration is required, dilute in 20 mM Tris, 150 mM NaCl, pH 8.0. If a higher concentration is required, the product can be reconstituted directly in 20 mM Tris, 150 mM NaCl, pH 8.0, 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.

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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:	P43686 (UniProt, ExPASy)
Gene Symbol:	PSMC4
GeneID:	5704
OMIM:	602707
NCBI Accession:	NP_006494.1, NM_006503.3, NP_694546.1, NM_153001.2
HGNC:	9551
KEGG:	hsa:5704
Ensembl:	ENSG00000013275
String:	9606.ENSP00000157812
Molecular Weight:	Calculated MW: 51.0 kDa Observed MW (SDS-PAGE): 51 kDa
Sequence Fragment:	Met1-Lys418
Sequence:	MEEIGILVEK AQDEIPALSV SRPQTGLSFL GPEPEDLEDL YSRYKKLQQE LEFLEVQEEY IKDEQKNLKK EFLHAQEEVK RIQSIPLVIG QFLEAVDQNT AIVGSTTGSN YYVRILSTID RELLKPNASV ALHKHSNALV DVLPPEADSS IMMLTSDQKP DVMYADIGGM DIQKQEVREA VELPLTHPEL YKQIGIDPPR GVLMYGPPGC GKTMLAKAVA HHTTAAFIRV VGSEFVQKYL GEGPRMVRDV FRLAKENAPA IIFIDEIDAI ATKRFDAQTG ADREVQRILL ELLNQMDGFD QNVNVKVIMA TNRADTLDPA LLRPGRLDRK IEFPLPDRRQ KRLIFSTITS KMNLSEEVDL EDYVARPDKI SGADINSICQ ESGMLAVREN RYIVLAKDFE KAYKTVIKKD EQEHEFYK
Tag:	N-terminal His tag
Buffer:	Prior to lyophilization: 20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01% Sarcosyl, 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.

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