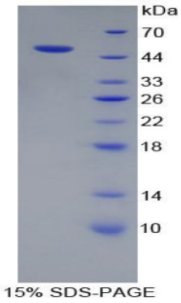
Human 26S Proteasome Regulatory Subunit 6A (PSMC3) Protein

Catalogue No.:abx068718



SDS-PAGE analysis of Human PSMC3 Protein.

Recombinant 26S Proteasome Regulatory Subunit 6A (PSMC3) 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 one of the ATPase subunits, a member of the triple-A family of ATPases that have chaperone-like activity. This subunit may compete with PSMC2 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. A pseudogene has been identified on chromosome 9.

Target:	26S Proteasome Regulatory Subunit 6A (PSMC3)
Origin:	Human
Expression:	Recombinant
Tested Applications:	WB, SDS-PAGE
Host:	E. coli
Conjugation:	Unconjugated
Form:	Lyophilized
Activity:	Not tested
Purity:	> 97%
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:	P17980 (UniProt, ExPASy)
Gene Symbol:	PSMC3
GeneID:	5702
OMIM:	186852
NCBI Accession:	NM_002804
HGNC:	9549
KEGG:	hsa:5702
Ensembl:	ENSG00000165916
String:	9606.ENSP00000481029
Molecular Weight:	Calculated MW: 52.7 kDa Observed MW (SDS-PAGE): 53 kDa
Sequence Fragment:	Asn2-Ala439
Sequence:	NLLPNIESP VTRQEKMATV WDEAEQDGIG EEVLKMSTEE IIQRTRLLDS EIKIMKSEVL RVTHELQAMK DKIKENSEKI KVNKTLPYLV SNVIELLDVD PNDQEEDGAN IDLDSQRKGK CAVIKTSTRQ TYFLPVIGLV DAEKLKPGDL VGVNKDSYLI LETLPTEYDS RVKAMEVDER PTEQYSDIGG LDKQIQELVE AIVLPMNHKE KFENLGIQPP KGVLMYGPPG TGKTLLARAC AAQTKATFLK LAGPQLVQMF IGDGAKLVRD AFALAKEKAP SIIFIDELDA IGTKRFDSEK AGDREVQRTM LELLNQLDGF QPNTQVKVIA ATNRVDILDP ALLRSGRLDR KIEFPMPNEE ARARIMQIHS RKMNVSPDVN YEELARCTDD FNGAQCKAVC VEAGMIALRR GATELTHEDY MEGILEVQAK KKANLQYYA
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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