

Recombinant Full Length Human PSMD3 Protein

Cat. No. PSMD3-408HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Proteasome 19S S3 with a N terminal proprietary tag; Predicted MWt 84.74 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	534 amino acids
Description	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.
Form	Liquid
Molecular Mass	84.740kDa inclusive of tags
AA Sequence	MKQEGSARRR GADKAKPPPG GGEQEPPPPP APQDVEMKEE AATGGGSTGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ADGKTA AAAA EHSQRELDTV TLEDIKEHVK QLEKAVSGKE PRFVLRALRM
 LPSTSRRLNH YVLYKAVQGF FTSNNATRDF LLPFLEPMMD TEADLQFRPR
 TGKAASTPLL PEVEAYLQLL VVIFMMNSKR YKEAQKISDD LMQKISTQNR
 RALDLVAAKC YYYHARVYEF LDKLDVVRSE L HARLRTATL RHDADGQATL
 LNLLLRNYLH YSLYDQAEKL VSKSVFPEQA NNNEWARYLY YTGRIKAIQL
 EYSEARRTMT NALRKAPQHT AVGFKQTVHK LLIVVELLLG EIPDRLQFRQ
 PSLKRSLMPY FLLTQAVRTG NLAKFNQVLD QFGEKFQADG TYTLIIRLRH
 NVIKTGVRMI SLSYSRISLA DIAQKLQLDS PEDAEFIVAK AIRDGVIEAS
 INHEKGYVQS KEMIDIYSTR EPQLAFHQRI SFCLDIHNMS VKAMRFPPKS
 YNKDLESAAE RREREQQDLE FAKEMAEDDD DSFP

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name PSMD3 proteasome (prosome, macropain) 26S subunit, non-ATPase, 3 [Homo sapiens]

Official Symbol PSMD3

Synonyms PSMD3; proteasome (prosome, macropain) 26S subunit, non-ATPase, 3; tissue specific transplantation antigen 2 , TSTA2; 26S proteasome non-ATPase regulatory subunit 3; P58; Rpn3; S3

Gene ID 5709

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_002809
Protein Refseq	NP_002800
MIM	603460
UniProt ID	O43242

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA