

Recombinant Human PSMD5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PSMD5-2658H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PSMD5 MS Standard C13 and N15-labeled recombinant protein (NP_005038) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. This gene encodes a non-ATPase subunit of the 19S regulator base that functions as a chaperone protein during 26S proteasome assembly.
Molecular Mass	56.2 kDa
AA Sequence	MAAQALALLREVARLEAPLEELRALHSVQLQAVPLNELRQQAAELRLGPLFSLLNENH REKTTLCVSILERLLQAMEPVHVARNLRVDLQRGLIHPDDSVKILTLSQIGRIVENSDA VTEILNNAELLKQIVYCIGGENLSVAKAAIKSLSRISLTQAGLEALFESNLLDDLKSVMK

 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

TNDIVRYRVYELIIEISSVSPESLNYCTTSGGLVTQLLRELTGEDVLVRATCIEMVTSLAY
 THHGRQYLAQEGVIDQISNIIVGADSDPFSSFYLPGFVKFFGNLAVMDSPQQICERYP
 IFVEKVFEMIESQDPTMIGVAVDTVGILGSNVEGKQVLQKTGTRFERLLMRIGHQSKN
 APVELKIRCLDAISSLLYLPPEQQTDDLRLMTESWFSSLSRDPLELFRGISSQPFPEL
 HCAALKVFTAIAANQPWAQKLMFNSPGFVEYVVDERSVEHDKASKDAKYELVKALANS
 KTIAEIFGNPNYLRLRITYLSEGPYYVKPVSTTAVEGAETRTRPLEQKLISEEDLAANDI
 LDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PSMD5 proteasome 26S subunit, non-ATPase 5 [Homo sapiens (human)]

Official Symbol PSMD5

Synonyms PSMD5; proteasome (prosome, macropain) 26S subunit, non-ATPase, 5; 26S proteasome non-ATPase regulatory subunit 5; KIAA0072; S5B; 26S proteasome subunit S5B; 26S protease subunit S5 basic; MGC23145;

Gene ID 5711

 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

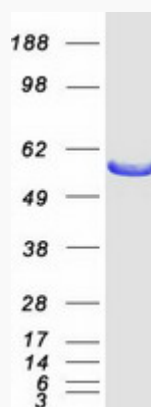
mRNA Refseq NM_005047

Protein Refseq NP_005038

MIM 604452

UniProt ID Q16401

SDS-PAGE



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