Recombinant Human PSMD2 Protein (Asp645-Val872), His tagged

Cat. No. PSMD2-6044H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PSMD2 (Asp645-Val872) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asp645-Val872
Description	Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair.
Form	Lyophilized powder/frozen liquid
Molecular Mass	26.94 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.

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

Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Lyophilized from PBS, pH 7.4, 0.02 % NLS, 1 mM EDTA, 4 % trehalose, 1 % mannitol.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	PSMD2 proteasome (prosome, macropain) 26S subunit, non-ATPase, 2 [Homo sapiens (human)]
Official Symbol	PSMD2
Synonyms	PSMD2; proteasome (prosome, macropain) 26S subunit, non-ATPase, 2; 26S proteasome non-ATPase regulatory subunit 2; MGC14274; P97; Rpn1; S2; TRAP2; 55.11 protein; protein 55.11; TNFR-associated protein 2; 26S proteasome subunit p97; 26S proteasome regulatory subunit S2; 26S proteasome regulatory subunit RPN1; tumor necrosis factor receptor-associated protein 2; tumor necrosis factor type 1 receptor-associated protein 2;
Gene ID	5708
mRNA Refseq	NM_002808
Protein Refseq	NP_002799

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MIM	606223
UniProt ID	Q13200

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