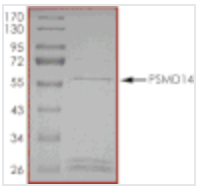
PSMD14 Recombinant Protein

PRODUCT OVERVIEW

Product Name	PSMD14, Recombinant Protein
Full Product Name	PSMD14 Protein
Product Gene Name	PSMD14 recombinant protein
Product Synonym Names	Proteasome 26S Subunit; Non-ATPase; POH1; 26S Proteasome Non-ATPase Regulatory Subunit
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 300mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 25% glycerol.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Molecular Weight	approx. MW: 61kDa
Tag	GST
Species	Human
Dry Ice Shipment	Extra charge fee may add to your shipping cost as dry ice is required to ship this product.
Product Categories/Family for PSMD14 recombinant protein	DUBs; Apoptosis/Autophagy; Cancer; Cardiovascular Disease; Cell Cycle; Cellular Stress
Related Product Information for PSMD14 recombinant protein	Recombinant full-length human PSMD14 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_005805. PSMD14 is a deubiquitinating enzyme within the 19S proteasomal subunit. It is specific for K63-Ub chains releasing polyubiquitin chains from the polyubiquitinated protein substrates of the proteasome. PSMD14 regulates macroautophagy by controlling Golgi-to-ER retrograde transport (1). It also plays a critical role in physiological and pathological processes such as DNA damage repair, tumor formation and inflammation (2). PSMD14 is significantly upregulated in HCC and lung cancer, and indicates poor prognosis (2, 3). Downregulation of PSMD14 causes cell cycle arrest leading to senescence and apoptosis, therefore it is a potential target for small molecule inhibitors in cancer therapeutics (2).
Product References and Citations for PSMD14 recombinant protein	1. Bustamante, H.A. et al: The proteasomal deubiquitinating enzyme PSMD14 regulates macroautophagy by controlling Golgi-to-ER retrograde transport. Cells 2020; 9(3), 777. 2. Zhang, L. et al: Upregulation of deubiquitinase PSMD14 in lung adenocarcinoma (LUAD) and its prognostic significance. Journal of Cancer. 2020; 11(10):2962-2971. 3. Jie, L. et al: Deubiquitinase PSMD14 enhances hepatocellular carcinoma growth and metastasis by stabilizing GRB2. Cancer Letters. 2020; 469:22-34.
Other Notes	Small volumes of PSMD14 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PSMD14 purchase	MBS517433 is a recombinant protein targeting PSMD14. Also known as PSMD14 Protein. Host: Sf9 insect cells.



SDS-Page of PSMD14 recombinant protein
Purity: Sample purity data. for lot-specific data please refer to the specific lot datasheets.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PSMD14. It may not necessarily be applicable to this product.

GenBank Nucleotide #	NM_005805
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Online datasheet: https://www.mybiosource.com/recombinant-protein/psmd14/517433