

Recombinant Human Proteasome (prosome, macropain) 26S Subunit, Non-ATPase, 10

Cat. No. PSMD10-358H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PSMD10 was expressed in E.coli and purified by conventional chromatography techniques, 24.4kDa (226aa).
Species	Human
Source	E.coli
Description	PSMD10 is an oncoprotein commonly overexpressed in most hepatocellular carcinomas. Gankyrin interacts with S6 ATPase of the 19S regulatory particle of the 26S proteasome. It is known to play a role in the regulation of the phosphorylation of the retinoblastoma protein by CDK4, and to enhance the ubiquitinylation of p53 by MDM2. Gankyrin consists of 7 ankyrin repeats and is structurally similar to I kappa Bs.
Form	Liquid. In Phosphate buffered saline (pH7.4), 10% glycerol
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MEGCVSNLMV CNLAYSGKLE ELKESILADK SLATR TDQDS RTALHWACSA GHTEIVEFLL QLGVPVNDKD DAGWSPLHIA ASAGRDEIVK ALLGKGAQVN AVNQNGCTPL HYAASKNRHE IAVMLLEGGA NPDAKDHYEA TAMHRAAAGK NLKMIHILLY YKASTNIQDT EGNTPLHLAC DEERVEEAKL LVSQGASIYI

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ENKEEKTPLQ VAKGGLGLIL KRMVEG

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

PSMD10 proteasome (prosome, macropain) 26S subunit, non-ATPase, 10 [Homo sapiens]

Synonyms

Gankyrin; OTTHUMP00000023827; OTTHUMP00000023828; dJ889N15.2; gankyrin; p28; 26S proteasome regulatory subunit p28; ankyrin repeat protein; hepatocellular carcinoma-associated protein p28-II; proteasome (prosome, macropain) 26S subunit, non-ATPase, 10; proteasome 26S non-ATPase subunit 10; PSMD10; 26S proteasome non-ATPase regulatory subunit 10.

Gene ID

5716

mRNA Refseq

NM_002814

Protein Refseq

NP_002805

MIM

603480

UniProt ID

O75832

**Chromosome
Location**

Xq22.3

Function

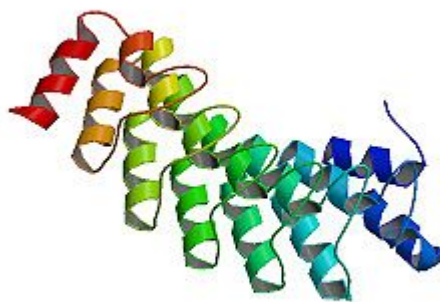
protein binding

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PDBrendering based
on 1qym. Available
structures: 1qym, 1tr4, 1u



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