PSMD12 cDNA Clone – Proteasome (Prosome, Macropain) 26s Subunit, Non-Atpase, 12 (Human)

PRODUCT OVERVIEW

Product Name	PSMD12, cDNA Clone
Full Product Name	PSMD12 cDNA Clone
Product Gene Name	PSMD12 cdna clone
Sequence	atggtatcga catcccgtat cttagttgca gtagtgaaga tgtgctatga ggctaaagaa tgggatttac ttaatgaaaa tattatgctt ttgtccaaaa ggcggagtca gttaaaacaa gctgttgcca aaatggttca acagtgctgt acttatgttg aggaaatcac agaccttcct atcaaacttc gattaattga tactctacga atggttaccg aaggcaagat ttatgttgaa attgagcgtg cgcgactgac taaaacatta gcaactataa aagaacaaaa tggtgatgtg aaagaggcag cctccatttt acaggagtta caggtggaaa cctacgggtc aatggaaaag aaagagcgag tggaatttat tttggagcaa atgaggctct gcctagctgt gaaggattac attcgaacac aaatcatcag caagaaaatt aacaccaaat ttttccagga agaaaataca gagaaattaa agttgaagta ctataattta atgattcagc tggatcaaca tgagggatcc tatttgtcta tttgtaagca ctacagagca atatatgata ctccctgtat acaggcagaa agtgaaaaat ggcagcaggc tctgaagagt gttgtactct atgttatcct ggctcctttt gacaatgaac agtcagattt ggttcaccga ataagtggtg acaagaagtt agaagaaatt cccaaataca aggatctttt aaagcttttt accacaatgg agttgatgcg ttggtccaca cttgttgagg actatggaat ggaattaaga aaaggttccc ttgagagtcc tgcaacggat gtttttggtt ctacagagga aggtgaaaaa aggtggaaag acttgaagaa cagagttgtt gaacataata ttagaataat ggccaagtat tatactcgga taacaatgaa aaggatggca cagcttctgg atctatctgt tgatgagtcc gaagcctttc tctcaaatct agtagttaac aagaccatct ttgctaaagt agacagatta gcaggaatta tcaacttcca gagacccaag gatccaaata atttattaaa tgactggtct cagaaactga actcattaat gtctctggtt aacaaaacta cgcatctcat agccaaagag gagatgatac ataatctaca ataa
Molecular Weight	50,579 Da
OMIM	604450
Vector	Please Inquire
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PSMD12 cdna clone	MBS1269274 is a cDNA clone targeting PSMD12.
Other Notes	Small volumes of PSMD12 cdna clone 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PSMD12. It may not necessarily be applicable to this product.

NCBI GI #	41351373
NCBI GeneID	5718
NCBI Accession #	BC065826
UniProt Secondary Accession #	Q53HA2; Q6P053; A6NP15
NCBI Official Full Name	Homo sapiens proteasome (prosome, macropain) 26S subunit, non-ATPase, 12, mRNA
UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 12
UniProt Synonym Protein Names	26S proteasome regulatory subunit RPN5; 26S proteasome regulatory subunit p55
Protein Family	26S proteasome non-ATPase regulatory
UniProt Gene Name	PSMD12
UniProt Entry Name	PSD12_HUMAN

UniProt Comments for PSMD12	PSMD12: Acts as a regulatory subunit of the 26S proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins. Belongs to the proteasome subunit p55 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Protease; Proteasome complex Chromosomal Location of Human Ortholog: 17q24.2 Cellular Component: cytoplasm; cytosol; membrane; nucleoplasm; proteasome complex; proteasome regulatory particle Biological Process: anaphase-promoting complex-dependent proteasomal ubiquitin-dependent protein catabolic process; antigen processing and presentation of exogenous peptide antigen via MHC class I, TAP-dependent; MAPKKK cascade; negative regulation of ubiquitin-protein ligase activity during mitotic cell cycle; positive regulation of ubiquitin-protein ligase activity during mitotic cell cycle; proteasomal ubiquitin-dependent protein catabolic process; protein polyubiquitination; regulation of amino acid metabolic process; regulation of mRNA stability; stimulatory C-type lectin receptor signaling pathway; T cell receptor signaling pathway; tumor necrosis factor-mediated signaling pathway; Wnt receptor signaling pathway, planar cell polarity pathway
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