

Recombinant Human PSMD7

Catalog No: #GP10730



Package Size: #GP10730-1 100ug

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Description

Product Name	Recombinant Human PSMD7
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 250 amino acids of human proteasome (prosome, macropain) 26S subunit, non-ATPase, 7
Target Name	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7
Other Names	P40, S12, Rpn8, MOV34
Accession No.	Swissprot:P51665Gene Accession:BC012606
Uniprot	P51665
GenelD	5713;
Storage	-20~-80°C, pH 7.6 PBS

Background

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. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 17.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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