Recombinant Human PSMD2

Catalog No: #GP10727

Package Size: #GP10727-1 100ug

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Description

Product Name	Recombinant Human PSMD2
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 250 amino acids of human proteasome (prosome, macropain) 26S subunit, non-ATPase, 2
Target Name	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 2
Other Names	S2; P97; Rpn1; TRAP2
Accession No.	Swissprot:Q13200Gene Accession:BC007897
Uniprot	Q13200
GeneID	5708;
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 one of the non-ATPase subunits of the 19S regulator lid. In addition to participation in proteasome function, this subunit may also participate in the TNF signalling pathway since it interacts with the tumor necrosis factor type 1 receptor. A pseudogene has been identified on chromosome 1.

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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