Recombinant Human PSME1

Catalog No: #GP13564

Package Size: #GP13564-1 100ug

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Description

Product Name	Recombinant Human PSME1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-249 amino acids of human PSME1
Target Name	proteasome activator subunit 1
Other Names	PA28A; IFI5111; REGalpha; PA28alpha; HEL-S-129m
Accession No.	Swissprot:Q06323Gene Accession:BC000352
Uniprot	Q06323
GeneID	5720;
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. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits (alpha, beta and gamma) of the 11S regulator have been identified. This gene encodes the alpha subunit of the 11S regulator, one of the two 11S subunits that is induced by gamma-interferon. Three alpha and three beta subunits combine to form a heterohexameric ring. Alternative splicing results in multiple transcript variants.

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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