Active Recombinant Rat Psme1

Cat. No. Psme1-708R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Psme1 (Accession # NP_058960) Ala2 - Tyr249, fused with , was produced in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ala2 - Tyr249
Form	Supplied as a solution in HEPES, NaCl, DTT and EDTA.
Bio-activity	Recombinant Human PA28 Activator alpha Subunit is ideal for the activation of latent 20S Proteasome complexes. Reaction conditions will need to be optimized for each specific application. Initially, we recommend a 5-15-fold molar excess of Recombinant Human PA28 Activator alpha Subunit relative to 20S Proteasome.
Molecular Mass	Recombinant Rat Psme1 has a calculated MW of 29 kDa.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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GENE INFORMATION

Gene Name	Psme1 proteasome (prosome, macropain) activator subunit 1 [Rattus norvegicus]
Official Symbol	Psme1
Synonyms	PSME1; proteasome (prosome, macropain) activator subunit 1; proteasome activator complex subunit 1; PA28a; PA28alpha; REG-alpha; 11S regulator complex subunit alpha; proteasome activator 28 subunit alpha; activator of multicatalytic protease subunit 1; protease (prosome, macropain) 28 subunit, alpha; proteasome (prosome, macropain) 28 subunit, alpha;
Gene ID	29630
mRNA Refseq	NM_017264
Protein Refseq	NP_058960
MIM	

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