

Active Recombinant Mouse Prss2 protein, His-tagged

Cat. No. Prss2-909M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Prss2 protein(NP_033456.1)(Met1-Asn246), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Asn246
Form	Lyophilized from sterile PBS, pH 7.5Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH ₂ . The specific activity is >1500 pmoles/min/μg.(Activation description: The proenzyme needs to be activated by enteropeptidase for an activated form)
Molecular Mass	The recombinant pro form of mouse PRSS2 comprises 242 amino acids and has a predicted molecular mass of 26.2 kDa. The apparent molecular mass of rm PRSS2 is approximately 32 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method

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Purity	> 92 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Prss2 protease, serine, 2 [<i>Mus musculus</i>]
Official Symbol	Prss2
Synonyms	PRSS2; protease, serine, 2; anionic trypsin-2; trypsin 2; trypsinogen 20; pretrypsinogen II; serine protease 2; anionic trypsin II; Ta; TRY8; TRYP; Try2; Tresp4;
Gene ID	22072
mRNA Refseq	NM_009430
Protein Refseq	NP_033456

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