

Active Recombinant Mouse Prss32 Protein, His-tagged

Cat. No. Prss32-760M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Prss32 (Accession # NP_081496) Ser20-Arg304, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Ser20-Arg304
Predicted N Terminal	Ser20
Form	Lyophilized from a 0.2 µ filtered solution in MES and NaCl.
Bio-activity	Measured by its ability to cleave a colorimetric peptide substrate, N-carbobenzyloxy-Arg-ThioBenzyl ester (Z-R-SBzl), in the presence of 5,5-Dithio-bis (2-nitrobenzoic acid) (DTNB). Edwards, K.M. et al. (1999) J. Biol. Chem. 274:30468. The specific activity is >400 pmol/min/g, as measured under the described conditions.
Molecular Mass	Recombinant Mouse Prss32, His-tagged has a calculated MW of 32 kDa. In SDS-PAGE migrates as 40 kDa doublet, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

Reconstitution

Reconstitute at 10 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name

Prss32 protease, serine 32 [Mus musculus (house mouse)]

Official Symbol

Prss32

Synonyms

mT5; tryptase-5; 2010001P08Rik; protease, serine, 32; protease, serine, 32; eosinophil serine protease; testisin; tryptase 5

Gene ID

69814

mRNA Refseq

NM_027220.2

Protein Refseq

NP_081496.2

MIM
**Chromosome
Location**

17 A3.3; 17 12.09 cM

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