

Recombinant Rat Tpsab1 Protein, His-tagged

Cat. No. Tpsab1-479R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tpsab1 Protein (Ile29-Phe273) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ile29-Phe273
Description	Predicted to enable identical protein binding activity and serine-type endopeptidase activity. Predicted to be involved in extracellular matrix disassembly and proteolysis. Predicted to be located in mast cell granule. Predicted to be active in extracellular space. Orthologous to several human genes including TPSAB1 (tryptase alpha/beta 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31 kDa Accurate Molecular Mass: 31 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

Tpsab1 tryptase alpha/beta 1 [*Rattus norvegicus* (Norway rat)]

Official Symbol

Tpsab1

Synonyms

TPSAB1; tryptase alpha/beta 1; tryptase; MMCP-7; tryptase, skin; tryptase beta 1; mast cell protease 7; tryptase alpha/beta-1; Mcpt7; TPSB1; rMCP-7

Gene ID

54271

mRNA Refseq

NM_019322

Protein Refseq

NP_062195

UniProt ID

P02771

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