

TPSAB1 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Tryptase;Mast cell protease 7 (mMCP-7);Tpsab1;Tryptase alpha/beta-1;Mcpt7
Protein Construction:	35-267 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	Q02844
Molecular Weight:	30.1 kDa (predicted)
AA Sequence:	AHGKWPWQVSLRANDTYWMHFCCGSLIHPQWVLTAAHCVGPDVADPNKVRVQLRKQYLYYHDHLMTV SQIITHPDFYIVQDGADIALKLTNPVNIISDYVHPVPLPPASETFFSGTLCWVTGWGNIDNGVNLPPFPPLKEV QVPIIENHLCDLKYHKGLITGDNVHIVRDDMLCAGNEGHDSQCQGDSSGGLVCKVEDTWLQAGVVSWSGEGCA QPNRPGIYTRVTTYLDWIHH

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Tryptase is the major neutral protease present in mast cells and is secreted upon the coupled activation-degranulation response of this cell type. May play a role in innate immunity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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