

Chymase 1 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Mast cell protease 5 (mMCP-5);Mast cell protease I;Chymase;Alpha-chymase;Mcpt5;Mast cell chymase 1;Cma1
Protein Construction:	22-246 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	P21844
Molecular Weight:	29.2 kDa (predicted)
AA Sequence:	IIGGTECIPHSRPY MAYLEIVTSENYLSACSGFLIRRFVLTAAHCAGRSITVLLGAHNKTSKEDTWQKLEVEKQ FLHPKYDENLVVHDIMLLKLEKAKLTLGVGTLPLSANFNFI PPGRMCRAVGWGRTNVN EPASDTLQEVKMR LQEPQACKHFTSFRHNSQLCVGNPKMQNVYKGDSSG PLLCAGIAQGIASYVHRNAKPPAVFTRISHYRPWI NKILRE

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

Major secreted protease of mast cells with suspected roles in vasoactive peptide generation, extracellular matrix degradation, and regulation of gland secretion.

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