

Mcpt1 Protein, Rat, Recombinant (Myc)

General Information

Synonyms:	rMCP-1;Chymotrypsin-like protease (CLIP protein);Mcpt1;Chymase;Mast cell protease I (rMCP-I);Mast cell protease 1
Protein Construction:	21-260 aa
Species:	Rat
Expression Host:	E. coli
Accession:	P09650
Molecular Weight:	28.6 kDa (predicted)
AA Sequence:	IIGGVESRPHSRPYMAHLEITTERGYKATCGGFLVTRQFVMTAAHCKGRETTVTLGVHDVSKTESTQKIKVEK QIVHPNYNFYSNLHDIMLLKLQKKAKVTPAVDVIPLPQPSDFLKPGKMCRAAGWGQTGVTKPTSNTLREVKQ RIMDKACKNYFHYNFQVCVGSPPRKIRSAYKGDSSGGPLVCAGVAHGIVSYGRGDAKPPAVFTRISPYVPWI NKVIKGDLTSLSLHESESPS

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:	> 85% 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. May participate in generating perivascular beta-protein which ultimately aggregates into amyloid-beta deposits.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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