

Recombinant Human Chymase 1, His tagged

Cat. No. CMA1-723H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Chymase 1 with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	22-247 aa
Description	This gene encodes a chymotryptic serine proteinase that belongs to the peptidase family S1. It is expressed in mast cells and is thought to function in the degradation of the extracellular matrix, the regulation of submucosal gland secretion, and the generation of vasoactive peptides. In the heart and blood vessels, this protein, rather than angiotensin converting enzyme, is largely responsible for converting angiotensin I to the vasoactive peptide angiotensin II. Alternative splicing results in multiple variants.
Form	Sterile 20mM Tris, pH8.0, 150mM NaCl, 0.1% SKL
Molecular Mass	27 kDa
AASequence	MHHHHHHHHENLYFQGSIIIGGTECKPHSRPYMAYLEIVTSNGPSKFCGGFLIRRNFV LTAHCAGRSITVTLGAHNITEEEDTWQKLEVIKQFRHPKYNTSTLHHDIMLLKLKEK ASLTAVGTLFPFSQFNFPVPPGRMCRVAGWGRTGVLKPGSDTLQEVKLRLMDPQA CSHFRDFDHNQLQCVGNPRKTKSAFKGDSGGPLLCAQVAQGIVSYGRSDAKPPAVF TRISHYRPWINQILQAN

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Endotoxin	< 1 EU/μg by LAL
Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.2 mg/mL by BCA

GENE INFORMATION

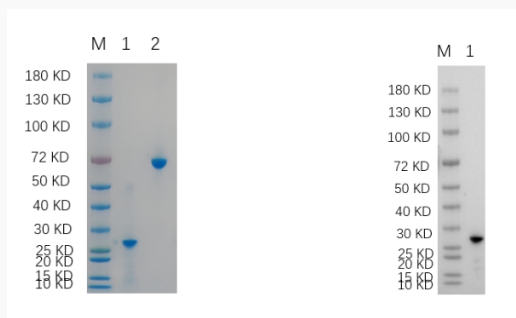
Gene Name	CMA1 chymase 1, mast cell [Homo sapiens (human)]
Official Symbol	CMA1
Synonyms	CMA1; chymase 1, mast cell; chymase; alpha-chymase; chymase, heart; chymase, mast cell; mast cell protease I; chymase 1 preproprotein transcript E; chymase 1 preproprotein transcript I; CYH; MCT1; MGC119890; MGC119891
Gene ID	1215
mRNA Refseq	NM_001836
Protein Refseq	NP_001827
MIM	118938
UniProt ID	P23946

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SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified CMA1. 1. CMA1: 1 ug 2. BSA: 1 ug

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