

Recombinant Human CMA1 Protein, GST-tagged

Cat. No. CMA1-1530H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CMA1 full-length ORF (NP_001827.1, 1 a.a. - 247 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Apr 2015]
Molecular Mass	53.57 kDa
AA Sequence	MLLLPLPLLLFLLCSRAEAGEIIGGTECKPHSRPYMAYLEIVTSNGPSKFCGGFLIRRNFVLTAAHCAGRSITVTLGAHNITEEEDTWQKLEVIKQFRHPKYNTSTLHHDIMLLKLEKASLTLAVGTLPPFSQFNFPVPPGRMCRVAGWGRTGVLKPGSDTLQEVLRLMDPQACSHFRDFDHNLLQCVGNPRKTKSAFKGDSGGPLLCAQVAQGIVSYGRSDAKPPAVFTRISHYRPWINQILQAN
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CMA1 chymase 1, mast cell [Homo sapiens]
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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