

Product datasheet for **TP701026**

CMA1 (NM_001836) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human chymase 1, mast cell (CMA1), His tag, secretory expressed in HEK cells, 20ug
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC214873, encoding the region Gly24-Asn247 of CMA1
Tag:	N-His
Predicted MW:	25.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 90% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001827
Locus ID:	1215
UniProt ID:	P23946 , Q4FEB3
RefSeq Size:	744
Cytogenetics:	14q12
RefSeq ORF:	741
Synonyms:	chymase; CYH; MCT1



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Summary:

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]

Protein Families:

Druggable Genome, Protease, Secreted Protein

Protein Pathways:

Renin-angiotensin system

Product images: