Recombinant Dog CMA1 Protein (22-249 aa), His-SUMO-tagged

Cat. No. CMA1-412D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dog CMA1 Protein (22-249 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Dog
Source	E.coli
ProteinLength	22-249 aa
Description	Major secreted protease of mast cells with suspected roles in vasoactive peptide generation, Extracellular domain matrix degradation, and regulation of gland secretion.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	41.5 kDa
AA Sequence	IIGGTESKPHSRPYMAHLEILTLRNHLASCGGFLIRRNFVLTAAHCAGRFIMVTLGAH NIQKKEDTWQKLEVIKQFPHPKYDDLTLRHDIMLLKLKEKANLTLAVGTLPLSPQFNF VPPGRMCRVAGWGKRQVNGSGSDTLQEVKLRLMDPQACRHYMAFDHNLQLCVG NPRKTKSAFKGDSGGPLLCAGVAQGIVSYGQNDAKPPAVFTRISHYRPWINKVLKQ NKA
Purity	> 90% as determined by SDS-PAGE.

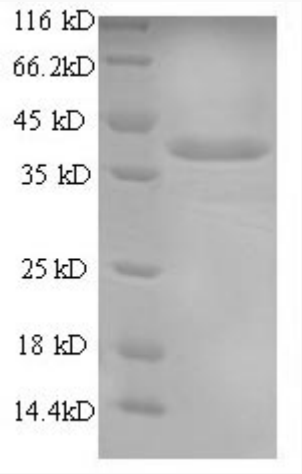
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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	CMA1 chymase 1, mast cell [Canis lupus familiaris]
Official Symbol	CMA1
Synonyms	CMA1; chymase; alpha-chymase;
Gene ID	490628
mRNA Refseq	NM_001013424
Protein Refseq	NP_001013442
UniProt ID	P21842

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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