CST5 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	CST5, Recombinant Protein
Full Product Name	Recombinant Human CST5
Product Gene Name	CST5 recombinant protein
Product Synonym Names	Cystatin-D; Cystatin-5; CST5
Sequence	Gly21-Val1 42
Host	Mammalian Cells
Form/Format	Lyophilized from a 0.2um filtered solution of 20mM Tris, 6% Trehalose, 2% Mannitol, 0.05% Tween 80, pH8.5
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Preparation and Storage	The lyophilized protein is stable at -20 degree C for up to 1 year. After reconstitution, the protein solution is stable at -20 to -80 degree C for 3 months or 1 week at 2 to 8 degree C under sterile conditions. For extended storage, it is recommended to further dilute in working aliquots, avoid repeated freeze/thaw cycle.
Molecular Weight	16,080 Da
OMIM	123858
3D Structure	ModBase 3D Structure for P28325
Species	Human
Endotoxin	< 1 EU/ug as determined by LAL test.
Tag	C-terminal His Tag
Reconstitution	Centrifuge the vial at 10000rpm for 30s before opening, reconstitute in sterile distilled water to a concentration of 0.1-1mg/ml by gently pipetting 2-3 times, don't vortex.
Product Categories/Family for CST5 recombinant protein	cytokines
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for CST5 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for CST5 recombinant protein	MBS7621622 is a recombinant protein targeting CST5. Also known as Recombinant Human CST5. Host: Mammalian Cells.
Other Notes	Small volumes of CST5 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CST5. It may not necessarily be applicable to this product.

NCBI GI #	19882256
NCBI GeneID	1473
NCBI Accession #	NP_001891.2

UniProt Primary Accession #	P28325
UniProt Secondary Accession #	Q5JRF5; Q9UCA0
UniProt Related Accession #	P28325
GenBank Nucleotide #	NM_001900.4
NCBI Official Full Name	cystatin-D
NCBI Official Synonym Full Names	cystatin D
NCBI Official Symbol	CST5
UniProt Protein Name	Cystatin-D
UniProt Synonym Protein Names	Cystatin-5
Protein Family	Cystatin
UniProt Gene Name	CST5
UniProt Entry Name	CYTD_HUMAN
NCBI Protein Information	cystatin-D
UniProt Comments for CST5	CST5: Cysteine proteinase inhibitor that possibly plays a protective role against proteinases present in the oral cavity. The order of preference for inhibition is cathepsin S > cathepsin H > cathepsin L > cathepsin B. Belongs to the cystatin family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 20p11.21 Cellular Component: extracellular region; extracellular space Molecular Function: cysteine protease inhibitor activity; protease binding; protein binding
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