

Recombinant Human CTSG Protein, GST-His-tagged

Cat. No. CTSG-855H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTSG fused with N-terminal GST and C-terminal His was expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene, a member of the peptidase S1 protein family, is found in azurophil granules of neutrophilic polymorphonuclear leukocytes. The encoded protease has a specificity similar to that of chymotrypsin C, and may participate in the killing and digestion of engulfed pathogens, and in connective tissue remodeling at sites of inflammation. In addition, the encoded protein is antimicrobial, with bacteriocidal activity against S. aureus and N. gonorrhoeae. Transcript variants utilizing alternative polyadenylation signals exist for this gene.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	52.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	CTSG cathepsin G [Homo sapiens]
Official Symbol	CTSG
Synonyms	CTSG; cathepsin G; CG; CATG; MGC23078;
Gene ID	1511
mRNA Refseq	NM_001911
Protein Refseq	NP_001902
MIM	116830
UniProt ID	P08311

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