

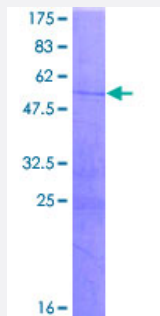
Full-Length

CTSG (Human) Recombinant Protein (P01)

Catalog # H00001511-P01

Size 2 ug

Applications



Specification

Product Description	Human CTSG full-length ORF (AAH14460.1, 1 a.a. - 255 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MQPLLLLLAFLLPTGAEAGEIIGGRESRPHSRPYMAYLQIQSPAGQSRCGGFLVREDFVLTAHC WGSNINVTLGAHNIQRRENTQQHITARRAIRHPQYNQRTIQNDIMLLQLSRRVRRNRNVNPVALPRA QEGLRPGTLC TVAGWGRVSMRRGTDLREVQLRVQRDRQCLRIFGSYDPRRQICVGDRRERKAA FKGDSGGPLLNNVAHGIVSYGKSSGVPPEVFTRVSSFLPWIRTTMRSFKLLDQMETPL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	53.79
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CTSG

Entrez GeneID [1511](#)

GeneBank Accession# [BC014460](#)

Protein Accession# [AAH14460.1](#)

Gene Name CTSG

Gene Alias CG, MGC23078

Gene Description cathepsin G

Omim ID [116830](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. Transcript variants utilizing alternative polyadenylation signals exist for this gene. [provided by RefSeq]

Other Designations -

Pathway

- [Lysosome](#)
- [Neuroactive ligand-receptor interaction](#)
- [Renin-angiotensin system](#)

- [Systemic lupus erythematosus](#)

Disease

- [Alzheimer disease](#)
- [Brain Infarction](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Renal Insufficiency](#)
- [Sepsis](#)
- [Werner syndrome](#)