

Recombinant Human CTSO Protein, GST-tagged

Cat. No. CTSO-2117H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CTSO full-length ORF (AAH49206, 24 a.a. - 321 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by the gene is a cysteine proteinase and a member of the papain superfamily. This proteolytic enzyme is involved in cellular protein degradation and turnover. The recombinant form of this enzyme was shown to degrade synthetic peptides typically used as substrates for cysteine proteinases and its proteolytic activity was abolished by an inhibitor of cyteine proteinase. [provided by RefSeq, Jul 2008]
Molecular Mass	58.52 kDa
AA Sequence	DSRAPFTPTWPRSREREAAAFRESLNRHRYLNSLFPSNSTAFYGINQFSYLFPEEF KAIYLRSKPSKFPARYSAEVHMSIPNVSLPLRFDWRDKQVVTQVRNQQMCGGCWAF SVVGAVESAYAIGKPLEDLVSQQVIDCSYNNYGCNGGSTLNALNWLNMKQVKLVK DSEYPFKAQNGGLCHYFSGSHSGFSIKGYSAYDFSDQEDEMAKALLTFGPLVVIVDAV SWQDYLGGLIQHHCSSGEANHAVLITGFDKTGSTPYWIVRNSWGSSWGVDGYAHV KMGSNVCGIADSVSSIFV
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

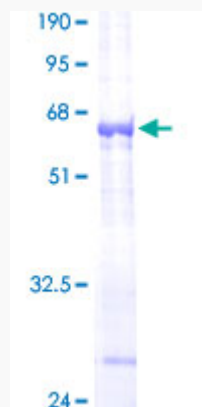
GENE INFORMATION

Gene Name	CTSO cathepsin O [Homo sapiens]
Official Symbol	CTSO
Synonyms	CTSO; cathepsin O; CTSO1;
Gene ID	1519
mRNA Refseq	NM_001334
Protein Refseq	NP_001325
MIM	600550
UniProt ID	P43234

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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