

Recombinant Human CTSL Protein (Ala114-Thr288), His tagged

Cat. No. CTSL-1891H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CTSL (Ala114-Thr288) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala114-Thr288
Description	Thiol protease important for the overall degradation of proteins in lysosomes. Involved in the solubilization of cross-linked TG/thyroglobulin and in the subsequent release of thyroid hormone thyroxine (T4) by limited proteolysis of TG/thyroglobulin in the thyroid follicle lumen.
Form	Lyophilized powder/frozen liquid
Molecular Mass	21.38 kDa
Purity	>90% as determined by SDS-PAGE
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the

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	date of receipt.
Storage Buffer	Lyophilized from PBS, pH 7.4, 0.02% NLS, 1mM EDTA, 4% trehalose, 1% mannitol.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	CTSL cathepsin L [Homo sapiens (human)]
Official Symbol	CTSL
Synonyms	CTSL; cathepsin L; MEP; CATL; CTSL1; procathepsin L; cathepsin L1; major excreted protein; EC 3.4.22.15
Gene ID	1514
mRNA Refseq	NM_145918
Protein Refseq	NP_666023
MIM	116880
UniProt ID	P07711

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