

Active Recombinant Human CTSH, His-tagged

Cat. No. CTSH-478H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTSH (Accession # CAA34734) Ala23-Val335, fused with a C-terminal 10-His tag., was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	23-335 a.a.
Predicted N Terminal	Ala23
Form	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Arg-7-amido-4-methylcoumarin (R-AMC). The specific activity is >750 pmol/min/g, as measured under the described conditions.
Molecular Mass	Recombinant Human CTSH, His-tagged has a calculated MW of 37 kDa. In SDS-PAGE migrates as 38-43 kDa, reducing conditions.
Purity	>80%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

GENE INFORMATION**Gene Name** CTSH cathepsin H [Homo sapiens]**Official Symbol** CTSH**Synonyms** CTSH; cathepsin H; CPSB; pro-cathepsin H; ACC 4; ACC 5; aleurain; cathepsin B3; cathepsin BA; N-benzoylarginine-beta-naphthylamide hydrolase; ACC-4; ACC-5; minichain; MGC1519; DKFZp686B24257;**Gene ID** 1512**mRNA Refseq** NM_004390**Protein Refseq** NP_004381**MIM** 116820**UniProt ID** P09668**Chromosome
Location** 15q25.1 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA