

## Active Recombinant Human CTRC protein, His-tagged

Cat. No. CTRC-2508H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CTRC protein(Q99895)(Met1-Leu268), fused with His tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Leu268
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its ability to cleave the fluorogenic peptide substrate, SUCAlaAlaPro-PheAMC. The specific activity is >300 pmol/min/μg.(Activation of this protease is needed prior to the use in activity assays)
<b>Molecular Mass</b>	The secreted recombinant human CTRC (pro form) consists of 263 amino acids and has a predicted molecular mass of 29.3 kDa. It migrates as an approximately 36 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per μg of the protein as determined by the LAL method
<b>Purity</b>	> 97 % as determined by SDS-PAGE

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C  
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [CTRC chymotrypsin C \(caldecrin\) \[ Homo sapiens \]](#)

**Official Symbol** [CTRC](#)

**Synonyms** [CTRC](#); [chymotrypsin C \(caldecrin\)](#); [chymotrypsin-C](#); [CLCR](#); [ELA4](#); [elastase 4](#); [caldecrin](#); [elastase IV](#); [serum calcium decreasing factor](#);

**Gene ID** [11330](#)

**mRNA Refseq** [NM\\_007272](#)

**Protein Refseq** [NP\\_009203](#)

**MIM** [601405](#)

**UniProt ID** [Q99895](#)

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