

Recombinant human CD10 protein ab157051

[1 References](#) [1 Image](#)

Description	
Product name	Recombinant human CD10 protein
Biological activity	1140 pmol/min/µg (9 ng NEP were used to cleave 10µM Mca-RPPGFSAFK(Dnp)-OH (Fluorogenic Substrate) at 37°C in 50 mM TRIS, pH 9.0).
Purity	> 95 % SDS-PAGE. ab157051 has been purified in the glycosylated soluble form.
Expression system	Baculovirus infected Sf9 cells
Accession	<u>P08473</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	DDGICKSSDCIKSAARLIQNMDATTEPCTDFFKYACGGWL KRNVIPETSS RYGNFDILRDELEVVLKDVLPQPKTEDIVAVQKAKALYRS CINESAIDSR GGEPLLKLLPDIYGWPVATENWEQKYGASWTAEKAIQNLN SKYGKKVLIN LFVGTDDKNSVNHVIHQRLGLPSRDYYECTGMYKEACT AYVDFMISV ARLIRQEERLPIDENQLALEMNKVMELEKEIANATAKPEDR NDPMLLYNK MTLAQIQNNFSLEINGKPFWSLNFTEIMSTVNISITNEEDV VVYAPEYL TKLKPIITKYSARDLQNLMSWRFIMDLVSSLSRTYKESRNA FRKALYGTT SETATWRRCANYVNGNMENAVGRLVYEAFAFAGESKHVV EDLIAQIREVFI QTLDDL TWMDAETKKRAEEKALAIKERIGYPDDIVSNDNKL NNEYLELNY KEDEYFENIIQNLKFSQSKQLKKLREKVDKDEWISGAADV NAFYSSGRNQ MFPAGILQPPFFSAQQSNSLNYGGIGMVGHEITHGFDDNG RNFNKDGD LVDWWTQQSASNFKEQSQCMVYQYGNFSWDLAGGQHL

NGINTLGENIADN
GGLGQAYRAYQNYIKKNGEEKLLPGLDLNHHKQLFFLNFAQ
VWCGTYRPEY
AVNSIKTDVHSPGNFRIGTLQNSAEFSEAFHCRKNSYMN
EKKCRVW

Predicted molecular weight	85 kDa including tags
Amino acids	53 to 750
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab157051** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Form	Liquid
Additional notes	Stable on ice for at least 1h. Do not freeze in dilute form.

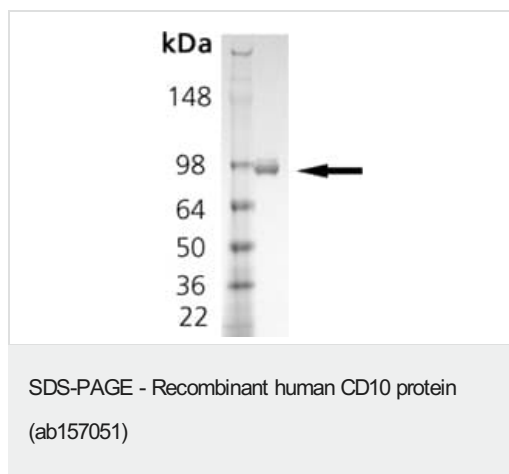
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Please see notes section. Constituents: 0.61% Tris, 20% Glycerol (glycerin, glycerine), 1.75% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function	Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids. Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond. Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9. Involved in the degradation of atrial natriuretic factor (ANF). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers.
Sequence similarities	Belongs to the peptidase M13 family.
Cellular localization	Cell membrane.

Images



SDS-PAGE Analysis of 1.0 µg of purified ab157051.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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