

Datasheet for ABIN7558897
CNDP1 Protein (AA 1-492) (His tag)



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Overview

Quantity:	1 mg
Target:	CNDP1
Protein Characteristics:	AA 1-492
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNDP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cndp1 Protein expressed in mammalian cells.
Sequence:	MFSSAHSGLL EKLPHYIDLH QDEFVQTLKE WVAIESDSVQ PVPRLRQKLF QMMALAADKL RNLGAGVESI DLGSQQMPDG QSLPIPPILL AELGSDPEKP TVCFYGHLDV QPAQKDDGWL TDPYTLTEVD GKLYGRGATD NKGPVLAWIN AVSTFRALQQ DLPVNIKFIL EGMEEAGSIA LEELVMREKD HFFSSVDYIV ISDNLWLSQR KPALTYGTRG NCYFTVEVKC RDQDFHSGTF GGILNEPMAD LVALLGSLVD SSGHILIPGI YDQMAPITEG EKTMYKNIDM DLEEYQNIHQ VEKFLFDTKE ELLMHLWRYP SLSIHGIEGA FDEPGTKTVI PGRVLGKFSI RLVPTMSPSV VEKQVTQHLE AVFSKRNSFN KMAVSMVLGL HPWTANVNDT QYLAAQRTIK TVFGVNPDMI RDGSTIPIAK IFQAITQKSV MMLPLGAVDD GEHSQNEKIN RWNVIQGSKL FAAFFLELSK QHSGHQMPSS VY Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

CNDP1

Alternative Name:

Cndp1 ([CNDP1 Products](#))

Background:

Beta-Ala-His dipeptidase (EC 3.4.13.20) (CNDP dipeptidase 1) (Carnosine dipeptidase 1),FUNCTION: Catalyzes the peptide bond hydrolysis in Xaa-His dipeptides, displaying the highest activity toward carnosine (beta-alanyl-L-histidine) and anserine (beta-alanyl-3-methyl-histidine). {ECO:0000269|PubMed:24891507, ECO:0000269|PubMed:31587987}.

Molecular Weight:

55.1 kDa

UniProt:

[Q8BUG2](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions:

For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months