

Datasheet for ABIN7564495  
**CPNE1 Protein (AA 1-536) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	CPNE1
Protein Characteristics:	AA 1-536
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPNE1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Cpne1 Protein expressed in mammalian cells.
Sequence:	<p>MAHCVTLVQL SVSCEHLIDK DIGSKSDPLC VLLQDVGGAW AELCRTERVR NCSSPEFSKT</p> <p>LQIEYHFETV QKLRFGIYDI DNKTPELGDD DFLGGAEC SL GQIVSSQTLT LPLMLKPGKP</p> <p>AGRGTITVSA QELKDSRVVT MEVEARNLDK KDFLGKSDPF LEFFRQGDGK WQLAYRTEVV</p> <p>KNNLNPTWKR FSVSLQHFCG GDLSTPIQVR CSDYDSGDGSH DLIGTFHTTL AQLQAVPAEF</p> <p>ECVHPEKQQR KKNYRNSGTV RVKTCRVETE YSFLDYVMGG CQINFVGV D FTGSNGDPSS</p> <p>PDSLHYLSPT GVNEYL TALW SVGSVVQDYD SDKLFPAGF GAQVPPDWQV SHEFALNFPN</p> <p>SNPYCAGIQG IVDAYRQALP QVRLYGPTNF APIINHVARF AAQAAQQRSA SQYFVLLLLT</p> <p>DGAVTDVEAT CKA VVDASKL PMSVIVGVG GADFEVMEQL DADGGPLRTR SG EAAARDIV</p> <p>QFVPYRRFQN APRETLAQTV LAEVPTQMVS YFRAQGWAPL KAPPTPGKGP AQAPQA</p> <p><b>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</b></p>

### have a special request, please contact us.

#### 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, Western Blot

#### Grade:

custom-made

## Target Details

---

#### Target:

CPNE1

#### Alternative Name:

Cpne1 ([CPNE1 Products](#))

#### Background:

Copine-1 (Copine I),FUNCTION: Calcium-dependent phospholipid-binding protein that plays a role in calcium-mediated intracellular processes. Involved in the TNF-alpha receptor signaling pathway in a calcium-dependent manner. Exhibits calcium-dependent phospholipid binding properties. Plays a role in neuronal progenitor cell differentiation, induces neurite outgrowth via a AKT-dependent signaling cascade and calcium-independent manner. May recruit target proteins to the cell membrane in a calcium-dependent manner. May function in membrane trafficking. Involved in TNF-alpha-induced NF-kappa-B transcriptional repression by inducing endoprotease processing of the transcription factor NF-kappa-B p65/RELA subunit. Also induces endoprotease processing of NF-kappa-B p50/NFkB1, p52/NFkB2, RELB and REL. {ECO:0000250|UniProtKB:Q99829}.

#### Molecular Weight:

58.9 kDa

## Target Details

---

UniProt: [Q8C166](#)

## Application Details

---

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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