

Datasheet for ABIN7563587  
**ENAH Protein (AA 1-802) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ENAH
Protein Characteristics:	AA 1-802
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENAH protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Enah Protein expressed in mammalian cells.
Sequence:	<p>MSEQSICQAR AAVMVYDDAN KKWVPAGGST GFSRVHIYHH TGNNTFRVVG RKIQDHQVVI</p> <p>NCAIPKGLKY NQATQTFHQW RDARQVYGLN FGSKEDANVF ASAMMHAEV LNSQEAAQSK</p> <p>VTATQDSTNL RCIFCGPTLP RQNSQLPAQV QNGPSQEELE IQRRLQEQQ RQKELERERM</p> <p>ERERLERERL ERERLERERL EQEQLERQRQ EREHVERLER ERLERLERER QERERERLEQ</p> <p>LEREQVEWER ERRMSNAAPS SDSSLSSAPL PEYSSCQPPS APPPSYAKVI SAPVSDATPD</p> <p>YAVVTALPPT STPTTPPLRH AATRFATSLG SAFHPVLPHY ATPRPLNKN SRPSSPVNTP</p> <p>SSQPPAAKSC AWPTSNFSPL PPSPPIMISS PPGKATGPRP VLPVCVSSPV PQMPPSPTAP</p> <p>NGSLDSVTYP VSPPTSGPA AAAAAAAAAA PAAAAPLPPP PLPLASLSH CGSQASPPPG</p> <p>TPLASTPSSK PSVLPSPSAG APASAETPLN PELGDSSASE PGLQAASQPA ESPTPQGLVL</p> <p>GPPAPPPPPP LPSGPAYASA LPPPPGPPPP PPLPSTGPPP PAAAAPLPN QAPPPPPPPP</p> <p>APPLPASGIF SGSTSEDNRP LTGLAAAIAG AKLRKVS RVE DGSFPGGGNT GSVSLASSKA</p>

## Product Details

DAGRGNGPLP LGGSGLMEEEM SALLARRRRI AEKGSTIETE QKEDRNEDAE PITAKAPSTS  
TPEPTRKPWE RTNTMNGSKS PVISRPKSTP SSQPSANGVQ TEGLDYDRLK QDILDEMRKE  
LAKLKEELID AIRQELSKSN TA **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.**

### 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:

ENAH

### Alternative Name:

Enah ([ENAH Products](#))

### Background:

Protein enabled homolog (NPC-derived proline-rich protein 1) (NDPP-1),FUNCTION: Ena/VASP proteins are actin-associated proteins involved in a range of processes dependent on cytoskeleton remodeling and cell polarity such as axon guidance and lamellipodial and filopodial dynamics in migrating cells. ENAH induces the formation of F-actin rich outgrowths in fibroblasts. Acts synergistically with BAIAP2-alpha and downstream of NTN1 to promote filipodia formation. {ECO:0000269|PubMed:10069337, ECO:0000269|PubMed:12134088, ECO:0000269|PubMed:15066263, ECO:0000269|PubMed:8861907}.

### Molecular Weight:

85.8 kDa

## Target Details

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UniProt: [Q03173](#)

## Application Details

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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

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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