

Datasheet for ABIN7548198  
**HABP4 Protein (AA 1-413) (His tag)**



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## Overview

Quantity:	1 mg
Target:	HABP4
Protein Characteristics:	AA 1-413
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HABP4 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant HABP4 Protein expressed in mammalian cells.
Sequence:	<p>MKGALGSPVA AAGAAMQESF GCVVANRFHQ LLDDSDPFD ILREAERRRQ QQLQRKRRDE AAAAAGAGPR GGRSPAGASG HRAGAGGRRE SQKERKSLPA PVAQRPDSPG GGLQAPGQKR TPRRGEQQGW NDSRGPEGML ERAERRSYRE YRPYETERQA DFTA EKFPDE KPGDRFDRDR PLRGRGGPRG GMRGRGRGGP GNRVFDADFQ RGKREFERYG GNDKIAVRTE DNMGGCGVRT WGSBKDTSKV EPTAPMEEPT VVEESQGTPE EESPAKVPEL EVEEETQVQE MTLDEWKNLQ EQTRPKPEFN IRKPESTVPS KAVVIHKSXY RDDMVKDDYE DSHVFRKPA NDITSQLEIN FGNLPRPGRG ARGGTRGGRG RIRRAENYGP RAEVVMQDVA PNPDDPEDFP ALS <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 have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

## Product Details

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### 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.

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### Purity:

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

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### Grade:

custom-made

## Target Details

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### Target:

HABP4

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### Alternative Name:

HABP4 ([HABP4 Products](#))

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### Background:

Intracellular hyaluronan-binding protein 4 (IHABP-4) (IHABP4) (Hyaluronan-binding protein 4) (Ki-1/57 intracellular antigen),FUNCTION: Ribosome-binding protein that promotes ribosome hibernation, a process during which ribosomes are stabilized in an inactive state and preserved from proteasomal degradation (By similarity). Acts via its association with EEF2/eEF2 factor at the A-site of the ribosome, promoting ribosome stabilization in an inactive state compatible with storage (By similarity). Plays a key role in ribosome hibernation in the mature oocyte by promoting ribosome stabilization (By similarity). Ribosomes, which are produced in large quantities during oogenesis, are stored and translationally repressed in the oocyte and early embryo (By similarity). Also binds RNA, regulating transcription and pre-mRNA splicing (PubMed:14699138, PubMed:16455055, PubMed:21771594, PubMed:19523114). Binds (via C-terminus) to poly(U) RNA (PubMed:19523114). Seems to play a role in PML-nuclear bodies formation (PubMed:28695742). Negatively regulates DNA-binding activity of the transcription factor MEF2C in myocardial cells in response to mechanical stress (By similarity).

## Target Details

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{ECO:0000250|UniProtKB:A1L1K8, ECO:0000250|UniProtKB:Q5XJA5, ECO:0000269|PubMed:14699138, ECO:0000269|PubMed:16455055, ECO:0000269|PubMed:19523114, ECO:0000269|PubMed:21771594, ECO:0000269|PubMed:28695742}.

Molecular Weight: 45.8 kDa

UniProt: [Q5JVS0](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

## Application Details

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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

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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