

Datasheet for ABIN7547129

**DEPTOR Protein (AA 1-409) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	DEPTOR
Protein Characteristics:	AA 1-409
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DEPTOR protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant DEPTOR Protein expressed in mammalian cells.
Sequence:	<p>MEEGGSTGSA GSDSSTSGSG GAQQRELERM AEVLVTGEQL RLRLHEEKVI KDRRHHLKTY PNCFVAKELI DWLIEHKEAS DRETAIKLMQ KLADRGIIHH VCDEHKEFKD VKLFYRFRKD DGTFFLDNEV KAFMRGQRLY EKLMSPELTL LQPREEEGVK YERTFMASEF LDWLVQEGEA TTRKEAEQLC HRLMEHGIIQ HVS NKHPFVD SNLLYQFRMN FRRRRRLMEL LNEKSPSSQE THDSPFCLRK QSHDNRKSTS FMSVSPSKEI KIVSAVRRSS MSSCGSSGYF SSSPTLSSSP PVLCPKSVL KRPVTSEELL TPGAPYARKT FTIVGDAVGW GFVVRGSKPC HIQAVDPSGP AAAAGMKVCQ FVSVNGLNV LHVDYRTVSN LILTGPRIV MEVMEELEC <b>Sequence without tag.</b></p> <p><b>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:

DEPTOR

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### Alternative Name:

DEPTOR ([DEPTOR Products](#))

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### Background:

DEP domain-containing mTOR-interacting protein (hDEPTOR) (DEP domain-containing protein 6),FUNCTION: Negative regulator of the mTORC1 and mTORC2 complexes: inhibits the protein kinase activity of MTOR, thereby inactivating both complexes (PubMed:19446321, PubMed:22017875, PubMed:22017876, PubMed:22017877, PubMed:25936805, PubMed:29382726, PubMed:34519269, PubMed:34519268). DEPTOR inhibits mTORC1 and mTORC2 to induce autophagy (PubMed:22017875, PubMed:22017876, PubMed:22017877). In contrast to AKT1S1/PRAS40, only partially inhibits mTORC1 activity (PubMed:34519269, PubMed:34519268). {ECO:0000269|PubMed:19446321, ECO:0000269|PubMed:22017875, ECO:0000269|PubMed:22017876, ECO:0000269|PubMed:22017877, ECO:0000269|PubMed:25936805, ECO:0000269|PubMed:29382726, ECO:0000269|PubMed:34519268, ECO:0000269|PubMed:34519269}.

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### Molecular Weight:

46.3 kDa

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### UniProt:

[Q8TB45](#)

## Target Details

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Pathways: [PI3K-Akt Signaling](#), [RTK Signaling](#), [Regulation of Cell Size](#), [BCR Signaling](#), [Warburg Effect](#)

## 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