

Datasheet for ABIN7553627  
**DEAF1 Protein (AA 1-565) (His tag)**



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## Overview

Quantity:	1 mg
Target:	DEAF1
Protein Characteristics:	AA 1-565
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DEAF1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant DEAF1 Protein expressed in mammalian cells.
Sequence:	MEDSDSAAKQ LGLAEAAVA AAAVAAAAA AAAGGEAEEP VLSRDEDSEE DADSEAERET PRVTAVAVMA AEPGHMDMGA EALPGPDEAA AAAFAEVTT VTVANVGAAA DNVFTTSVAN AASISGHVLS GRTALQIGDS LNTEKATLIV VHTDGSIVET TGLKGPAAPL TPGPQSPPTP LAPGQEKGGT KYNWDPSVYD SELPVRCRNI SGTLYKNRLG SGGRGRCIKQ GENWYSPTFE EAMAGRASSK DWKRSIRYAG RPLQCLIQDG ILNPHAASCT CAACDDMTL SGPVRLFVPY KRRKKENELP TTPVKKDSPK NITLLPATAA TTFTVTPSGQ ITTSGALTFD RASTVEATAV ISESPAQGDV FAGATVQEAS VQPPCRASHP EPHYPGYQDS CQIAPFPEAA LPTSHPKIVL TSLPALAVPP PTPTKAAPPA LVNGLELSEP RSWLYLEEMV NSLLNTAQQ LKTLFEQAKHA STYREAATNQ AKIHADAERK EQSCVNCGRE AMSECTGCHK VNYCSTFCQR KDWKDQHIC GQSAAVTVQA DEVHVAESVM EKVTV <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>

## Product Details

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**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.

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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

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## Target Details

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**Target:** DEAF1

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**Alternative Name:** DEAF1 ([DEAF1 Products](#))

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**Background:** Deformed epidermal autoregulatory factor 1 homolog (Nuclear DEAF-1-related transcriptional regulator) (NUDR) (Suppressin) (Zinc finger MYND domain-containing protein 5),FUNCTION: Transcription factor that binds to sequence with multiple copies of 5'-TTC[CG]G-3' present in its own promoter and that of the HNRPA2B1 gene. Down-regulates transcription of these genes. Binds to the retinoic acid response element (RARE) 5'-AGGGTTCACCGAAAGTTCA-3'. Activates the proenkephalin gene independently of promoter binding, probably through protein-protein interaction. When secreted, behaves as an inhibitor of cell proliferation, by arresting cells in the G0 or G1 phase. Required for neural tube closure and skeletal patterning. Regulates epithelial cell proliferation and side-branching in the mammary gland. Controls the expression of peripheral tissue antigens in pancreatic lymph nodes. Isoform 1 displays greater transcriptional activity than isoform 4. Isoform 4 may inhibit transcriptional activity of isoform 1 by interacting

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## Target Details

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with isoform 1 and retaining it in the cytoplasm. Transcriptional activator of EIF4G3.  
{ECO:0000269|PubMed:10521432, ECO:0000269|PubMed:11427895,  
ECO:0000269|PubMed:11705868, ECO:0000269|PubMed:18826651,  
ECO:0000269|PubMed:19668219, ECO:0000269|PubMed:24726472}.

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Molecular Weight: 59.3 kDa

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UniProt: [O75398](#)

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Pathways: [Tube Formation](#)

## 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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months