

Datasheet for ABIN7544279

DP1 Protein (AA 1-410) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	DP1 (TFDP1)
Protein Characteristics:	AA 1-410
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TFDP1 Protein expressed in mammalian cells.
Sequence:	MAKDAGLIEA NGELKVFIDQ NLSPGKGVVS LVAVHPSTVN PLGKQLLPKT FGQSNVNIAQ QVVIGTPQRP AASNTLVVGS PHTPSTHFAS QNQPSDSSPW SAGKRNRKGE KNGKGLRHFS MKVCEKVQRK GTTSYNEVAD ELVAEFSAAD NHILPNESAY DQKNIRRRVY DALNVLAMMN IISKEKKEIK WIGLPTNSAQ ECQNLEVERQ RRLERIKQKQ SQLQELILQQ IAFKNLVQRN RHAEQQASRP PPPNSVIHLP FIVNTSKKT VIDCSISNDK FEYLFNFDNT FEIHDDIEVL KRMGMACGLE SGSCSAEDLK MARSVLPKAL EPYVTEMAQG TVGGVFITTA GSTSNGTRFS ASDLTNGADG MLATSSNGSQ YSGSRVETPV SYVGEDDEED DDFNENDEDD 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.
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

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

DP1 (TFDP1)

Alternative Name:

TFDP1 ([TFDP1 Products](#))

Background:

Transcription factor Dp-1 (DRTF1-polypeptide 1) (DRTF1) (E2F dimerization partner 1),FUNCTION: Can stimulate E2F-dependent transcription. Binds DNA cooperatively with E2F family members through the E2 recognition site, 5'-TTTC[CG]CGC-3', found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication (PubMed:8405995, PubMed:7739537). The E2F1:DP complex appears to mediate both cell proliferation and apoptosis. Blocks adipocyte differentiation by repressing CEBPA binding to its target gene promoters (PubMed:20176812). {ECO:0000269|PubMed:20176812, ECO:0000269|PubMed:7739537, ECO:0000269|PubMed:8405995}.

Molecular Weight:

45.1 kDa

UniProt:

[Q14186](#)

Pathways:

[Cell Division Cycle, Mitotic G1-G1/S Phases](#)

Application Details

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

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
