

Datasheet for ABIN7556923

DP1 Protein (AA 1-410) (His tag)



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Overview

Quantity:	1 mg
Target:	DP1 (TFDP1)
Protein Characteristics:	AA 1-410
Origin:	Mouse
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:	<p>MAKDASLIEA NGELKVFIDQ NLSPGKGVVS LVAVHPSTVN TLGKQLLPKT FGQSNVNITQ</p> <p>QVVIGTPQRP AASNTIVVGS PHTPNTHFVS QNQTSDSSPW SAGKRNRRKGE KNGKGLRHFS</p> <p>MKVCEKVQRK GTTSYNEVAD ELVAEFSAAD NHILPNESAY DQKNIRRRVY DALNVLMAMN</p> <p>IISKEKKEIK WIGLPTNSAQ ECQNLEVERQ RRLEIKQKQ SQLQELILQQ IAFKNLVQRN</p> <p>RQAEQQARRP PPPNSVIHLP FIIVNTSRKT VIDCSISNDK FEYLFNFDNT FEIHDDIEVL</p> <p>KRMGMACGLE SGNCSAEDLK VARSLVPKAL EPYVTEMAQG SIGGVFVTTT GSTSNGTRL</p> <p>ASDLSNGADG MLATSSNGSQ YGSRVETPV SYVGEDDDDD DDFNENDEED 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.</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

Characteristics:	<div><div>Key Benefits:</div><ul style="list-style-type: none">• 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).<p>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.</p><p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p><p>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.</p></div>
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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:	<p>Transcription factor Dp-1 (DRTF1-polypeptide 1) (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. 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:0000250 UniProtKB:Q14186, ECO:0000269 PubMed:20176812}.</p>
Molecular Weight:	45.2 kDa
UniProt:	Q08639
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.
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Restrictions:	For Research Use only
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Handling

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
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