

Datasheet for ABIN7564193
DACT2 Protein (AA 1-757) (His tag)



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Overview

Quantity:	1 mg
Target:	DACT2
Protein Characteristics:	AA 1-757
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DACT2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Dact2 Protein expressed in mammalian cells.
Sequence:	<p>MWAPSGQGPA GWDRRRVGAR LRAALAGLQE LQGLRATQQA RVRGALGLHP APGPRGQELR LEAALTALRE QLSRLRRQDA GLKTHLDQLD QQISELQLDV SRSSCEALDS DSRPSSGFYE LSDAGSCSLS TSCASVCSDR LSPSLGSWLP VFQPSKSRSG IGDWRPR SAD ETTVPAWSPQ LTEDSRL LHG AEGTGRLTGM FRPRPVSTGD LERVLPADVG LQRAGTDAAH LLGQGIEIPA HALDPTYQRD LVARGGQEVY PYPSP LHAVA LQSPLFALPK EAPCFDICSP PQEPPLVPVD ENRTQPEPIR ELGSAEAYIH RLLHLRGQEL PLRDVGQEQG GD TAAFPKPK CGQRSESTCQ LEKQACGADR GGLKLGRGAA KDSLKQHGPV SLVGAEPLSS PLKEETIPWN PCVHGDNTVG SSPCSQAQQP LNDGGQGPVL SPSRVLGTES PPLAPEPFAY TSCTTGETSP VKLRMGFSQN KAVKVRRRVS EKVPRLGKQL PPQPERQVRT ERDPSRPHQG GLSRRPTLAR EPPGRSCSES TLYPVPFLVP VVAQRESYP TSPQAFFPME AALLSSAARR KQRRWQSTME ISAKAGSVSQ PGPSMGLPRS PAKRGSGPRA QSRPTLARQD ACARCESDPS EHSADCTS LY HSTIAETSED EEASDHTANR FGDESSSND S EGCFRGSRRR LAIGSAEAGQ GGWAWPRVPP QQPSRAPGNT</p>

Product Details

RPPLPPVPKL CRIKASKALK KKIRRFQPAA LKVMTMV **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.

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: DACT2

Alternative Name: Dact2 ([DACT2 Products](#))

Background: Dapper homolog 2 (mDpr2) (Dapper antagonist of catenin 2),FUNCTION: Involved in regulation of intracellular signaling pathways during development. Negatively regulates the Nodal signaling pathway, possibly by promoting the lysosomal degradation of Nodal receptors, such as TGFBR1. May be involved in control of the morphogenetic behavior of kidney ureteric bud cells by keeping cells epithelial and restraining their mesenchymal character. May play an inhibitory role in the re-epithelialization of skin wounds by attenuating TGF-beta signaling. {ECO:0000269|PubMed:17197390, ECO:0000269|PubMed:18716284,

Target Details

ECO:0000269|PubMed:20685821}.

Molecular Weight: 81.7 kDa

UniProt: [Q7TN08](#)

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