

Datasheet for ABIN7556076

ZIC2 Protein (ZIC2) (AA 1-532) (His tag)



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Overview

Quantity:	1 mg
Target:	ZIC2
Protein Characteristics:	AA 1-532
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZIC2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ZIC2 Protein expressed in mammalian cells.
Sequence:	<p>MLLDAGPQFP AIGVGSFARH HHHSAASAAA AAAEMQDREL SLAAAQNGFV DSAAAHMGAF</p> <p>KLNPGAHELK PGQSSAFTSQ GPGAYPGSAA AAAAAAALGP HAAHVGSYSG PPFNSTRDFL</p> <p>FRSRGFGDSA PGGGQHGLFG PGAGGLHHAH SDAQGHLLFP GLPEQHGHFG SQNVLNGQMR</p> <p>LGLPGEVFGR SEQYRQVASP RTDPYSAAQL HNQYGPMMNM MGMNMAAAAA HHHHHHHHHHP</p> <p>GAFFRYMRQQ CIKQELICKW IDPEQLSNPK KSCNKTFTSM HELVTHVSVE HVGGPESQNH</p> <p>VCFWEECPRE GKPFKAKYKL VNHIRVHTGE KPFPCPFPGC GKVFAENSEL KHKRTHHTGE</p> <p>KPFQCEFEFC DRRFANSSDR KKHMHVHTSD KPYLCKMCDK SYTHPSSLRK HMKVHESSPQ</p> <p>GSESSPAASS GYESSTPPGL VSPSAEPQSS SNLSPAAAAA AAAAAAAAAA VSAVHRGGGS</p> <p>GSGGAGGGSG GSGSGGGGGG GAGGGGGGSS GGGSGTAGGH SGLSSNFNEW YV Sequence</p> <p>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</p>

have a special request, please contact us.

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, Western Blot

Grade:

custom-made

Target Details

Target:

ZIC2

Alternative Name:

ZIC2 ([ZIC2 Products](#))

Background:

Zinc finger protein ZIC 2 (Zinc finger protein of the cerebellum 2),FUNCTION: Acts as a transcriptional activator or repressor. Plays important roles in the early stage of organogenesis of the CNS. Activates the transcription of the serotonin transporter SERT in uncrossed ipsilateral retinal ganglion cells (iRGCs) to refine eye-specific projections in primary visual targets. Its transcriptional activity is repressed by MDFIC. Involved in the formation of the ipsilateral retinal projection at the optic chiasm midline. Drives the expression of EPHB1 on ipsilaterally projecting growth cones. Binds to the minimal GLI-consensus sequence 5'-TGGGTGGTC-3'. Associates to the basal SERT promoter region from ventrotemporal retinal segments of retinal embryos.

Molecular Weight:

55.0 kDa

UniProt:

[O95409](#)

Target Details

Pathways: [Tube Formation](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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