Datasheet for ABIN7564870

DACH2 Protein (AA 1-634) (His tag)

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Overview

Quantity:	1 mg
Target:	DACH2
Protein Characteristics:	AA 1-634
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DACH2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Dach2 Protein expressed in mammalian cells.
Sequence:	MAVSAPPVIS ATSSSAGVPG GLFRAEPLYS SPGEPPRLTP NMINSFMANN HNGSVLGGGI GGGSGGSSNT NTNECRMVDM HGVKVASFLM DGQELICLPQ VFDLFLKHLV GGLHTVYTKL KRLDISPVVC TVEQVRILRG LGAIQPGVNR CKLITRKDFE TLFTDCTNAR RKRQMTRKQA VNSSRPGRPP KRSLGVLQDN ARLLPHAVPG LLSPGLITPT GITAAAMAEA MKLQKMKLMA MNTLQGNGSQ NGTESEPDDL NSTTGGSESS WDKDKIQSPL AASGPQHGIA HAALAGQPGL GGAPTLNPLQ QNHLLSNRLD LPFMMMPHPL LPVSLPPASV AMAMNQMNHL NTIANMAAAA QIHSPLSRAG ASVIKERIPE SPSPAPSLEE SHRPGSQTSS HPSSSVSSSP SQMDHHSERM VMMPNNREEL IVDQDNGQSI KKFQRDNKEE VPAQIPVMKS PLDKIQLAPG QALHPGFPGP FIFADSLSSV ETLLTNIQGL LKVALDNARI QEKQIQQEKK ELRIELFRER EIRENLERQL AVELQSRSTM QKRLKKEKKA KRKLQEALEF ESKRREQVEQ ALKQATSGDS GLRMLKDSGI PDIEIENSGT PHDSAAMQGG NYYCLAMAQQ LCSA **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity**

Product Details

	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:	DACH2
Alternative Name:	Dach2 (DACH2 Products)
Background:	Dachshund homolog 2 (Dach2),FUNCTION: Transcription factor that is involved in regulation of organogenesis. Seems to be a regulator for SIX1 and SIX6. Seems to act as a corepressor of SIX6 in regulating proliferation by directly repressing cyclin-dependent kinase inhibitors, including the p27Kip1 promoter. Is recruited with SIX6 to the p27Kip1 promoter in embryonal retina. SIX6 corepression seems also to involve NCOR1, TBL1, HDAC1 and HDAC3. May be involved together with PAX3, SIX1, and EYA2 in regulation of myogenesis. In the developing somite, expression of DACH2 and PAX3 is regulated by the overlying ectoderm, and DACH2 and PAX3 positively regulate each other's expression. Probably binds to DNA via its DACHbox-N domain. {ECO:0000269|PubMed:12112464, ECO:0000269|PubMed:12130660}.

Target Details

Molecular Weight:	68.6 kDa
UniProt:	Q925Q8

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