Datasheet for ABIN7565156

DACH1 Protein (AA 1-751) (His tag)

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Overview

Quantity:	1 mg
Target:	DACH1
Protein Characteristics:	AA 1-751
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DACH1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Dach1 Protein expressed in mammalien cells.
Sequence:	MAVPAALIPP TQLVPPQPPI STSASSSGTT TSTSSATSSP APSIGPPASS GPTLFRPEPI ASSASSSAAA TVTSPGGGGG GSGGGGGSGG NGGGGGSNCN PSLAAGSSGG GVSAGGGGAS STPITASTGS SSSSSSSSSS SSSSSSSSSS SSSSSSCGPL PGKPVYSTPS PVENTPQNNE CKMVDLRGAK VASFTVEGCE LICLPQAFDL FLKHLVGGLH TVYTKLKRLE ITPVVCNVEQ VRILRGLGAI QPGVNRCKLI SRKDFETLYN DCTNASSRPG RPPKRTQSVT SPENSHIMPH SVPGLMSPGI IPPTGLTAAA AAAAAATNAA IAEAMKVKKI KLEAMSNYHA SNNQHGADSE NGDMNSSVGS SGGSWDKETL HSPPSQGSQA PVAHARMPAA FSLPVSHPLN HLQHSHLPPN GLELPFMMMP HPLIPVSLPP ASVTMAMSQM NHLSTIANMA AAAQVQSPPS RVETSVIKER VPDSPSPAPS LEEGRRPGSH PSSHRSSSVS SSPARTESSS DRIPVHQNGL SMNQMLMGLS PNVLPGPKEG DLAGHDMGHE SKRIHIEKDE TPLSTPTARD SIDKLSLTGH GQPLPPGFPS PFLFPDGLSS IETLLTNIQG LLKVAIDNAR AQEKQVQLEK TELKMDFLRE RELRETLEKQ

Product Details

	LAMEQKNRAI VQKRLKKEKK AKRKLQEALE FETKRREQAE QTLKQAASAD SLRVLNDSLT PEIEADRSGG RADAERTIQD GRLYLKTTVM Y **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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:	DACH1
Alternative Name:	Dach1 (DACH1 Products)
Background:	Dachshund homolog 1 (Dach1),FUNCTION: Transcription factor that is involved in regulation of organogenesis. Seems to be a regulator of SIX1, SIX6 and probably SIX5. Corepression of precursor cell proliferation in myoblasts by SIX1 is switched to coactivation through recruitment of EYA3 to the SIX1-DACH1 complex. Transcriptional activation seems also to involve association of CREBBP. Seems to act as a corepressor of SIX6 in regulating proliferation by directly repressing cyclin-dependent kinase inhibitors, including the p27Kip1 promoter. Inhibits TGF-beta signaling through interaction with SMAD4 and NCOR1 (By similarity). Binds to chromatin DNA via its DACHbox-N domain. {ECO:0000250,

Target Details

	ECO:0000269|PubMed:12130660, ECO:0000269|PubMed:12215533, ECO:0000269|PubMed:14628042}.
Molecular Weight:	78.0 kDa
UniProt:	Q9QYB2
Pathways:	Feeding Behaviour

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

