Datasheet for ABIN7563885

NEUROD1 Protein (AA 1-357) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	NEUROD1
Protein Characteristics:	AA 1-357
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NEUROD1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Neurod1 Protein expressed in mammalien cells.
Sequence:	MTKSYSESGL MGEPQPQGPP SWTDECLSSQ DEEHEADKKE DELEAMNAEE DSLRNGGEEE EEDEDLEEEE EEEEEEDQK PKRRGPKKKK MTKARLERFK LRRMKANARE RNRMHGLNAA LDNLRKVVPC YSKTQKLSKI ETLRLAKNYI WALSEILRSG KSPDLVSFVQ TLCKGLSQPT TNLVAGCLQL NPRTFLPEQN PDMPPHLPTA SASFPVHPYS YQSPGLPSPP YGTMDSSHVF HVKPPPHAYS AALEPFFESP LTDCTSPSFD GPLSPPLSIN GNFSFKHEPS AEFEKNYAFT MHYPAATLAG PQSHGSIFSS GAAAPRCEIP IDNIMSFDSH SHHERVMSAQ LNAIFHD **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:

Product Details

	• 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:	NEUROD1
Alternative Name:	Neurod1 (NEUROD1 Products)
Background:	Neurogenic differentiation factor 1 (NeuroD1) (Beta-cell E-box transcriptional activator 2) (Beta2),FUNCTION: Acts as a transcriptional activator: mediates transcriptional activation by binding to E box-containing promoter consensus core sequences 5'-CANNTG-3'. Associates with the p300/CBP transcription coactivator complex to stimulate transcription of the secretin gene as well as the gene encoding the cyclin-dependent kinase inhibitor CDKN1A. Contributes to the regulation of several cell differentiation pathways, like those that promote the formation of early retinal ganglion cells, inner ear sensory neurons, granule cells forming either the cerebellum or the dentate gyrus cell layer of the hippocampus, endocrine islet cells of the pancreas and enteroendocrine cells of the small intestine. Together with PAX6 or SIX3, is required for the regulation of amacrine cell fate specification. Also required for dendrite morphogenesis and maintenance in the cerebellar cortex. Associates with chromatin to enhancer regulatory elements in genes encoding key transcriptional regulators of neurogenesis. {ECO:0000269|PubMed:10398678, ECO:0000269|PubMed:10639171, ECO:0000269|PubMed:11152640, ECO:0000269|PubMed:11861467,

Target Details

	ECO:0000269|PubMed:11970861, ECO:0000269|PubMed:12810726, ECO:0000269|PubMed:14697366, ECO:0000269|PubMed:15797719, ECO:0000269|PubMed:18007592, ECO:0000269|PubMed:18339630, ECO:0000269|PubMed:19200230, ECO:0000269|PubMed:19759004, ECO:0000269|PubMed:21593321, ECO:0000269|PubMed:9308961, ECO:0000269|PubMed:9512516}.
Molecular Weight:	40.0 kDa
UniProt:	Q60867
Pathways:	Dopaminergic Neurogenesis, Hormone Transport, Carbohydrate Homeostasis

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

