

Datasheet for ABIN7563964

NEUROD2 Protein (AA 1-383) (His tag)



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Overview

Quantity:	1 mg
Target:	NEUROD2
Protein Characteristics:	AA 1-383
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NEUROD2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Neurod2 Protein expressed in mammalian cells.
Sequence:	<p>MLTRLFSEPG LLSDVPKFAS WGDGDDDEPR SDKGDAPPQP PPAPGSGAPG PARAAKPVSL</p> <p>RGGEEIPEPT LAEVKEEGEL GGGGGGGGGG EEGLDEAEGE RPKKRGPKKR KMTKARLERS</p> <p>KLRRQKANAR ERNRMHDLNA ALDNLRKVVP CYSKTQKLSK IETLRLAKNY IWALSEILRS</p> <p>GKRPDLVSYV QTLCKGLSQP TTNLVAGCLQ LNSRNFLTEQ GADGAGRFHG SGGPFAMHPY</p> <p>PYPCSRLAGA QCQAAGGLGG GAAHALRTHG YCAAYETLYA AAGGGGASPD YNSSEYEGPL</p> <p>SPPLCLNGNF SLKQDSSPDH EKSYPHYSMHY SALPGSRPTG HGLVFGSSAV RGGVHSENLL</p> <p>SYDMHLHHDR GPMYEELNAF FHN 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.</p>
Characteristics:	Key Benefits:

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	NEUROD2
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Alternative Name:	Neurod2 (NEUROD2 Products)
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Background:	<p>Neurogenic differentiation factor 2 (NeuroD2) (NeuroD-related factor) (NDRF),FUNCTION: Transcriptional regulator implicated in neuronal determination. Mediates calcium-dependent transcription activation by binding to E box-containing promoter. Critical factor essential for the repression of the genetic program for neuronal differentiation, prevents the formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. Induces transcription of ZEB1, which in turn represses neuronal differentiation by down-regulating REST expression. Plays a role in the establishment and maturation of thalamocortical connections, involved in the segregation of thalamic afferents into distinct barrel domains within layer VI of the somatosensory cortex. Involved in the development of the cerebellar and hippocampal granular neurons, neurons in the basolateral nucleus of amygdala and the hypothalamic-pituitary axis. Associates with chromatin to the DPYSL3 E box-containing promoter. {ECO:0000269 PubMed:10648228, ECO:0000269 PubMed:14697366, ECO:0000269 PubMed:16203979, ECO:0000269 PubMed:16504944, ECO:0000269 PubMed:16730830, ECO:0000269 PubMed:18214987,</p>
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Target Details

ECO:0000269|PubMed:19900895, ECO:0000269|PubMed:20346398}.

Molecular Weight: 41.5 kDa

UniProt: [Q62414](#)

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