

Datasheet for ABIN7558872

NDRG4 Protein (AA 1-352) (His tag)



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Overview

Quantity:	1 mg
Target:	NDRG4
Protein Characteristics:	AA 1-352
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NDRG4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat NdrG4 Protein expressed in mammalian cells.
Sequence:	<p>MPECWDGEHD IETPYGLLHV VIRGSPKGNR PAILTYHDVG LNHKLCFNTF FNFEDMQEIT KHFVVCHVDA PGQQVGASQF PQGYQFPSME QLAAMLPSVV QHFGFKYVIG IGVGAGAYVL AKFALIFPDL VEGLVLMNID PNGKGWIDWA ATKLSGLTST LPDVLVLSHLF SQEELVNNT LVQSYRQQIS NVVNQANLQL FWNMYNSRRD LDINRPGTVP NAKTLRCPVM LVVGDNAPAE EGVVECNSKL DPTTTTFLKM ADSGGLPQVT QPGKLTEAFK YFLQGMGYIA HLKDRRLSGG AVPSASMTSL ARSRASLTS ASSVDGSRPQ PCAHSDSSEG MGQVNHTMEV SC 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:	NDRG4
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Alternative Name:	Ndr4 (NDRG4 Products)
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Background:	Protein NDRG4 (N-myc downstream-regulated gene 4 protein) (Protein Ndr4),FUNCTION: Contributes to the maintenance of intracerebral BDNF levels within the normal range, which is necessary for the preservation of spatial learning and the resistance to neuronal cell death caused by ischemic stress. May enhance growth factor-induced ERK1 and ERK2 phosphorylation. May attenuate NGF-promoted ELK1 phosphorylation in a microtubule-dependent manner. {ECO:0000269 PubMed:21636852}.
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Molecular Weight:	38.5 kDa
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UniProt:	Q8BTG7
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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.
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Application Details

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