

Datasheet for ABIN7549652

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



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Overview

Quantity:	1 mg
Target:	NDRG4
Protein Characteristics:	AA 1-352
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NDRG4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NDRG4 Protein expressed in mammalian cells.
Sequence:	<p>MPECWDGEHD IETPYGLLHV VIRGSPKGNR PAILTYHDVG LNHKLCFNTF FNFEDMQEIT</p> <p>KHFVVCHVDA PGQQVGASQF PQGYQFPSME QLAAMLPSVV QHFGFKYVIG IGVGAGAYVL</p> <p>AKFALIFPDL VEGLVLVNID PNGKGWIDWA ATKLSGLTST LPDTVLSHLF SQEELVNNT</p> <p>LVQSYRQQIG NVVNQANLQL FWNMYNSRRD LDINRPGTVP NAKTLRCPVM LVVGDNAPAE</p> <p>DGVVECNSKL DPTTTTFLKM ADGGGLPQVT QPGKLTEAFK YFLQGMGYIA YLKDRRLSGG</p> <p>AVPSASMTRL ARSRTASLTS ASSVDGSRPQ ACTHSESSEG LGQVNHTMEV SC Sequence</p> <p>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>
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:

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	NDRG4
Alternative Name:	NDRG4 (NDRG4 Products)
Background:	Protein NDRG4 (Brain development-related molecule 1) (N-myc downstream-regulated gene 4 protein) (Vascular smooth muscle cell-associated protein 8) (SMAP-8),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 (By similarity). May enhance growth factor-induced ERK1 and ERK2 phosphorylation, including that induced by PDGF and FGF. May attenuate NGF-promoted ELK1 phosphorylation in a microtubule-dependent manner. {ECO:0000250, ECO:0000269 PubMed:12755708}.
Molecular Weight:	38.5 kDa
UniProt:	Q9ULP0

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

	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