

Datasheet for ABIN7564830

NRARP Protein (AA 1-114) (His tag)



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Overview

Quantity:	1 mg
Target:	NRARP
Protein Characteristics:	AA 1-114
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NRARP protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Nrarp Protein expressed in mammalian cells.
Sequence:	MSQAELSTCS APQTQRIFQE AVRKGNTQEL QSLLQNMTNC EFNVNSFGPE GQTALHQSVI DGNLELVKLL VKFGADIRLA NRDGWSALHI AAFGGHQDIV LYLITKAKYA ASGR 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.
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: • 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.

Product Details

- 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:	NRARP
Alternative Name:	Nrarp (NRARP Products)
Background:	Notch-regulated ankyrin repeat-containing protein,FUNCTION: Downstream effector of Notch signaling. Involved in the regulation of liver cancer cells self-renewal (By similarity). Involved in the regulation of canonical Wnt signaling by stabilizing LEF1 (By similarity). Involved in angiogenesis acting downstream of Notch at branch points to regulate vascular density. Proposed to integrate endothelial Notch and Wnt signaling to control stalk cell proliferation and to stabilize new endothelial connections during angiogenesis (PubMed:19154719). During somitogenesis involved in maintenance of proper somite segmentation and proper numbers of somites and vertebrae. Required for proper anterior-posterior somite patterning. Proposed to function in a negative feedback loop to destabilize Notch 1 intracellular domain (NICD) and down-regulate the Notch signal, preventing expansion of the Notch signal into the anterior somite domain (PubMed:21795391, PubMed:21998026). {ECO:0000250 UniProtKB:Q7T3Y0, ECO:0000250 UniProtKB:Q7Z6K4, ECO:0000269 PubMed:11783997, ECO:0000269 PubMed:19154719, ECO:0000269 PubMed:21795391, ECO:0000269 PubMed:21998026, ECO:0000305 PubMed:21998026}.
Molecular Weight:	12.5 kDa
UniProt:	Q91ZA8

Application Details

Application Notes:	We expect the protein to work for functional studies. 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