Recombinant Mouse Nrarp Protein, Myc/DDK-tagged

Cat. No. Nrarp-4493M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Notch-regulated ankyrin repeat protein (Nrarp), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Downstream effector of Notch signaling. Involved in the regulation of liver cancer cells self-renewal. Involved in the regulation of canonical Wnt signaling by stabilizing LEF1. 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 stablilize new endothelial connections during angiogenesis. 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 downregulate the Notch signal, preventing expansion of the Notch signal into the anterior somite domain.
Molecular Mass	12.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Nrarp Notch-regulated ankyrin repeat protein [Mus musculus (house mouse)]
Official Symbol	Nrarp
Synonyms	NRARP; Notch-regulated ankyrin repeat protein; notch-regulated ankyrin repeat-containing protein; 2700054M22Rik
Gene ID	67122
mRNA Refseq	NM_025980
Protein Refseq	NP_080256
UniProt ID	Q91ZA8

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