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Product datasheet for TP500468

Nrarp (NM_025980) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Notch-regulated ankyrin repeat protein (Nrarp), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR200468 protein sequence Red=Cloning site Green=Tags(s) MSQAELSTCSAPQTQRIFQEAVRKGNTQELQSLLQNMTNCEFNVNSFGPEGQTALHQSVIDGNLELVKL L VKFGADIRLANRDGWSALHIAAFGGHQDIVLYLITKAKYAASGR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	12.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_080256
Locus ID:	67122
UniProt ID:	Q91ZA8
RefSeq Size:	2590
Cytogenetics:	2 A3

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RefSeq ORF: 342

Synonyms: 2700054M22Rik

Summary: 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 stablilize 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 downregulate the Notch signal, preventing expansion of the Notch signal into the anterior somite domain (PubMed:21795391, PubMed:21998026).[UniProtKB/Swiss-Prot Function]