

Product datasheet for **SC125684**

NRARP (NM_001004354) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NRARP (NM_001004354) Human Untagged Clone
Tag:	Tag Free
Symbol:	NRARP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001004354 edited
 GGCGCCTTGGGACCGCGTGGGAGCCGACGCCGAACCGAGTAGGGACCGGGACCGCGCGGC
 GCCGCGTCCCCGGCCGGGCCCGGCCCGCGAGCCGAGCGCGCGCCCCGTCGCCACC
 CGGGCCGGCTGGATGCGGGGGGTCCCCGCGCGGGACCCCCGGCCCCGAGCGCCCGG
 AGCGCCAGAGGGCGCGTGGGGGCCCGGGGACGCCGCGCCCTCCATGCGCCGAGGCGG
 CCCCAGACAGCCGGGGGCCCGCGCCGACGCCGCGCCCGCGTGTAGCCCCGGCCCGGC
 CGCGCCCGCGCCCGCGCGCAGCATGAGCCAGGCGGAGTGTCCACCTGCTCCGCGCCG
 AGACGCAGCGCATCTTCCAGGAGCTGTGCGCAAGGGCAACACGAGGAGCTGCAGTCGC
 TGCTGCAGAACATGACCAACTGCGAGTTCAACGTGAACCTGTTCCGGCCCGAGGGCCAGA
 CGGCGCTGCACCAGTCGGTCATCGACGGCAACCTGGAGCTCGTGAAGCTGCTGGTCAAGT
 TCGGGCCGACATCCGCCTGGCCAACCGCGACGGCTGGAGCGCGTGCACATCGCCGCGT
 TCGGTGGCCACCAGGACATCGTCTCTATCTCATACCAAGGCGAAGTACGCGGCCAGCG
 GCCGGTGTGCCCGCGGACCCCGGACCCCGGCCCTGCGCCCGCGTGTCTCTGTGTGA
 CCTTCCCAGCAACTACCTCGGTGCGCGCCCGCTCGCAGGCCCGCCAGAAGGCCGTGG
 CCACGGCGAATACGGCGCGTGTGCCCGCCCGAGGGTCCGGCAGCCCCCGCGCCGAGC
 GCCTCCCTGCGGCTAGCCGGGGCCCGCGGGCCGGAGCAGCTTCCCACGCCCCACC
 GCTCGCCTGCCCGCCGCTCGCGGGTGGGGCGGGGCGCGGGCTCCAGCCCTTTTGAAA
 TTTGAGTCTCGCAACCAGCAAGTTCGGAATCCCAGATACCGGATCCTCTGCGCAAAATG
 TTTTCTCCGAAGGTGAAAGGCGGGCGGGAGCCGAAGGCGGACTCGGAGCGCTCCGC
 CGCCGCTTCAGGACCCGCCGACGGCCGGGACGCGCCGATGCCGGTGCAGCCGAGGA
 GCAGCCCCGAGGTCGAGGTCGCGCGCGTGGCGCGGGCCGAGGAGACGCTCGGCTGTT
 TGCGCTGGTTTTTTTTGTTTGGAAAACACTGCGTGGTCAATGTGGTTATGGGGGGAGTG
 ATGCATTTTTTTAGTCTTAAACTAAAACTTGAAGTCTACCATTTCTTGGTTGCACTG
 AAAATACGCCCCAGCCTGATGGTGTCCCGTGTGCCCTCCCCCTCCCTTCTCCCCG
 GTCTACCTCCCCACCCGTTCTGTTCGCCCTCCCTCCTTCTCCCTCAAATCCGT
 GAGTTTTGGAAGCCCGAGGCTCTCTCCCCGCCCTCCTGGATGAGGCCACCATCCCC
 CCAAACCGGCTTGTTCAGTTCCTCCAGGATCCTGGAAGCTCGCTGGCGCTCGAGGGT
 GCGGGGACACGGGGGGTGGTGAAGTTCGTTACCTTTCTAGTGCCTTCTATCATAG
 TTAACGGTTGCACACTTTTTTAAAAAAGTAAATGGATTTGCCACAATTAATGCATAA
 CATTTATGACAGAATATAAAATATTAACATAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_001004354 unedited
 GGGTTTAGATTTGTATACGACTTACTATAGGCGCCGCGTATTCANATCTGGTACCGGTC
 CGGAATCCCAGGATATCGTCGACCCACGCGTCCGGGCGCCTTGGGACCGGTGGGAGCC
 GCAGCCGAACCGAGTAGGGACCGGGACCGCGCGCGCCCGTCCCCGGCCGGGCCCGGC
 CCCCAGGACCGAGCGCGCGCCCCGTCGCCACCCGGGCGCGGCTGGATGCGGGGGGT
 CCCCAGGCGGGACCCCGGCCCGAGCGCCCGAGCGCCAGAGGCGGCGTGGGGG
 CCGGGGACCGCGCCCTCCATGCGCCGAGGCGCGCCCGAGACAGCCGGGGGCCCGCGC
 CGCAGCCGCCCGCGCTGAGCCCGGCCCGGCCCGCGCCCGCGCCCGCGCGGCGGAGCAT
 GAGCCAGGCCGAGCTGTCCACCTGCTCCGCGCCGAGACGAGCGCATTTCCAGGAGGC
 TGTGCGCAAGGGCAACACGAGGAGTGCAGTCGCTGCTGCAGAACATGACCAACTGCGA
 GTTCAACGTGAACTCGTTCGGGCCGAGGGCCAGACGGCGCTGCACCAGTCGGTCATCGA
 CGGCAACTGGAGCTCGTGAAGTGTGGTCAAGTTCGGCGCCGACATCCGCCTGGCCAA
 CCGCGACGGTGGAGCGCGTGCACATCGCCGCTTGGTGGCCACCAGGACATCGTGTCT
 ATCTCATCACCAAGGCGAAGTACGCGCCAGCGGCCGCGTGTGCCCGTGGGACCCCG
 GACCCCGCCCTGCGCCCGGTTGTCTGTGCTGTACTTCCGCCCCACTACCTCGGTGCGC
 GCCCGGTTCCAGGCCCGCAAGAGCCCGTGGCCACGGGAATACGGGGCGTGCATCCT

Restriction Sites: Please inquire
ACCN: NM_001004354
Insert Size: 1800 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001004354.1 , NP_001004354.1
RefSeq Size:	1785 bp
RefSeq ORF:	345 bp
Locus ID:	441478
UniProt ID:	Q7Z6K4
Cytogenetics:	9q34.3
Gene Summary:	Downstream effector of Notch signaling. Involved in the regulation of liver cancer cells self-renewal (PubMed:25985737). 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 downregulate the Notch signal, preventing expansion of the Notch signal into the anterior somite domain (By similarity). [UniProtKB/Swiss-Prot Function]