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Product datasheet for SC305988

NALP4 (NLRP4) (NM_134444) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NALP4 (NLRP4) (NM_134444) Human Untagged Clone
Tag:	Tag Free
Symbol:	NALP4
Synonyms:	CLR19.5; CT58; NALP4; PAN2; PYPAF4; RNH2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_134444 edited
GGAGGAGCTGGAGAACATAGACAGGGATGAGGTTTTATTTATTTATTGTTCCTGGTCACT
GTCTCTTTGAGGATTGGTATCTCTGCTCCAGAAAAGATGGCAGCCTCTTTCTTCTCTGAT
TTTGGTCTTATGTGGTATCTGGAGGAGCTCAAAAAGGAGGAGTTCAGGAAATTTAAAGAA
CATCTCAAGCAAATGACTTTGCAGCTTGAACTCAAGCAGATTCCCTGGACTGAGGTCAAA
AAAGCATCCCGGGAAGAACTTGCAAACCTCTTGATCAAGCACTATGAAGAACAACAAGCT
TGGAACATAACCTTAAGAATCTTTCAAAAGATGGATAGAAAGGATCTCTGCATGAAGGTC
ATGAGGGAGAGAACAGGATACACAAAGACCTATCAAGCTCACGCAAAGCAGAAATTCAGC
CGCTTATGGTCCAGCAAGTCTGTCACTGAGATTCACCTATACTTTGAGGAGGAAGTCAAG
CAAGAAGAATGTGACCATTTGGACCGCCTTTTTGCTCCCAAGGAAGCTGGGAAACAGCCA
CGTACAGTGATCATTCAAGGACCACAAGGAATTGGAAAAACGACACTCCTGATGAAGCTG
ATGATGGCCTGGTCGGACAACAAGATCTTTCGGGATAGGTTCCTGTACACATTCTATTTC
TGCTGCAGAGAACTGAGGGAGTTGCCGCCAACGAGTTTGGCTGACTTGATTTCCAGAGAG
TGGCCTGACCCCGCTGCTCCTATAACAGAGATCGTGTCTCAACCGGAGAGACTCTTGTTC
GTCATCGACAGCTTCGAAGAGCTGCAGGGCGGCTTGAACGAACCCGATTCGGATCTGTGT
GGTGACTTGATGGAGAAACGGCCGGTGCAGGTGCTTCTGAGCAGTTTGCTGAGGAAGAAG
ATGCTCCCGGAGGCCTCCCTGCTCATCGCTATCAAACCCGTGTGCCCGAAGGAGCTCCGG
GATCAGGTGACGATCTCAGAAATCTACCAGCCCCGGGGATTCAACGAGAGTGATAGGTTA
GTGTATTTCTGCTGTTTCTTCAAAGACCCGAAAAGAGCCATGGAAGCCTTCAATCTTGTA
AGAGAAAGTGAACAGCTGTTTTCCATATGCCAAATCCCGCTCCTCTGCTGGATCCTGTGT
ACCAGTCTGAAGCAAGAGATGCAGAAAGGAAAAGACCTGGCCCTGACCTGCCAGAGCACT
ACCTCTGTGTACTCCTCTTTCGTCTTTAACCTGTTCACACCTGACGGTGCCGAGGGCCCG
ACTCAGCAAACCCAGCACCAGCTGAAGGCCCTGTGCTCCCTGGCTGCAGAGGGTATGTGG
ACAGACACATTTGAGTTTTGTGAAGACGACCTCCGGAGAAATGGGGTTGTTGACGCTGAC
ATCCCTGCGCTGCTGGGCACCAAGATACTTCTGAAGTACGGGGAGCGTGAGAGCTCCTAC
GTGTTCCTCCACGTGTGTATCCAGGAGTTCTGTGCCGCCTTGTTCTATTTGCTCAAGAGC
CACCTTGATCATCCTCACCCAGCTGTGAGATGTGTACAGGAATTGCTAGTTGCCAATTTT

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GAAAAAGCAAGGAGAGCACATTGGATTTTTTTGGGGTGTTTTCTAACTGGCCTTTTAAAT
AAAAAGGAACAAGAAAAACTGGATGCGTTTTTTGGCTTCCAACTGTCCCAAGAGATAAAG
CAGCAAATTCACCAGTGCCTGAAGAGCTTAGGGGAGCGTGGCAATCCTCAGGGACAGGTG
GATTCCTTGGCGATATTTTACTGTCTCTTTGAAATGCAGGATCCTGCCTTTGTGAAGCAG
GCAGTGAACCTCCTCCAAGAAGCTAACTTTCATATTATTGACAACGTGGACTTGGTGGTT
TCTGCCTACTGCTTAAAATACTGCTCCAGCTTGAGGAAACTCTGTTTTTCCGTTCAAAAT
GTCTTTAAGAAAGAGGATGAACACAGCTCTACGTCGGATTACAGCCTCATCTGTTGGCAT
CACATCTGCTCTGTGCTCACCACCAGCGGGCACCTCAGAGAGCTCCAGGTGCAGGACAGC
ACCCTCAGCGAGTCGACCTTTGTGACCTGGTGTAACCAGCTGAGGCATCCCAGCTGTCGC
CTTCAGAAGCTTGGAATAAATAACGTTTCCTTTTCTGGCCAGAGTGTTCTGCTCTTTGAG
GTGCTCTTTTATCAGCCAGACTTGAAATACCTGAGCTTCACCCTCACGAAACTCTCTCGT
GATGACATCAGGTCCCTCTGTGATGCCTTGAACTACCCAGCAGGCAACGTCAAAGAGCTA
GCGCTGGTAAATTGTCACCTCTCACCCATTGATTGTGAAGTCCTTGCTGGCCTTCTAACC
AACAACAAGAAGCTGACGTATCTGAATGTATCCTGCAACCAGTTAGACACAGGCGTGCCC
CTTTTGTGTGAAGCCATGTGCAGCCCAGACACGGTCCTGGTATACCTGATGTTGGCTTTC
TGCCACCTCAGCGAGCAGTGCTGCGAATACATCTCTGAAATGCTTCTGCGTAACAAGAGC
GTGCGCTATCTAGACCTCAGTGCCAATGTCCTGAAGGACGAAGGACTGAAAACTCTCTGC
GAGGCCTTGAAACATCCGGACTGCTGCCTGGATTCACTGTGTTTGGTAAAATGTTTTATC
ACTGCTGCTGGCTGTGAAGACCTCGCCTCTGCTCTCATCAGCAATCAAAACCTGAAGATT
CTGCAAATTGGGTGCAATGAAATCGGAGATGTGGGTGTGCAGCTGTTGTGTCGGGCTCTG
ACGCATACGGATTGCCGCTTAGAGATTCTTGGGTTGGAAGAATGTGGGTTAACGAGCACC
TGCTGTAAGGATCTCGCGTCTGTTCTCACCTGCAGTAAGACCCTGCAGCTGCTCAACCTG
ACCTTGAACACCTTGGACCACACAGGGGTGGTTGTACTCTGTGAGGCCCTGAGACACCCA
GAGTGTGCCCTGCAGGTGCTCGGGCTGAGAAAAACTGATTTTGATGAGGAAACCCAGGCA
CTGCTGACGGCTGAGGAAGAGAGAAATCCTAACCTGACCATCACAGACGACTGTGACACA
ATCACAAGGGTAGAGATCTGATTGCGAGGAACCTGGGCTCTGACTCGAACACCTGCAAAG
GACAGGGACTGGGACCGTTACTTACATGACACTGCACCCAGGAGATACAAATCATTGACA
CTCTGAGTTGTGAGATTTCTGGCACCCCATTCATAGATTTGATATGATACACGTGGTTTT
TATGTGCTCTGTGGCCTTGGATGAGTCACTGAAAGGCCTTCATGGTCTCTCGGTCTCACA
AGGACCTCTTAACCCCTCAATAAAGTGTTACATTTCTAAACATTAAAAGAAAAAAAAAAA
AAAAA

Restriction Sites: Please inquire

ACCN: NM_134444

Insert Size: 3400 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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to contain 4 SNPs compared with reference sequence NM_134444.3.

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:	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_134444.3, NP_604393.1
RefSeq Size:	3339 bp
RefSeq ORF:	2985 bp
Locus ID:	147945
UniProt ID:	Q96MN2
Cytogenetics:	19q13.43
Gene Summary:	The protein encoded by this gene is a member of the nucleotide-binding and leucine-rich repeat receptor (NLR) family, and is predicted to contain an N-terminal pyrin effector domain (PYD), a centrally-located nucleotide-binding and oligomerization domain (NACHT) and C-terminal leucine-rich repeats (LRR). This gene product has a demonstrated role as a negative regulator of autophagy and type I interferon signaling pathways as a result of protein interactions with its NACHT domain. The PYD domain has also been shown to be important in the inhibition of NF-kB (nuclear factor kappa-light-chain-enhancer of activated B cells). [provided by RefSeq, Dec 2016]