

Product datasheet for SC309388

NHLRC1 (NM_198586) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NHLRC1 (NM_198586) Human Untagged Clone
Tag:	Tag Free
Symbol:	NHLRC1
Synonyms:	bA204B7.2; EPM2A; EPM2B; MALIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309388 representing NM_198586. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTA
CCGAGGAGATCTGCCCGCGCATCGCCGGCGCGCC
ATGGCGGCCGAAGCCTCGGAGAGCGGGCCAGCGCTGCATGAGCTCATGCGCGAGGCGGAGATCAGCCTG
CTCGAGTGCAAGGTGTGCTTTGAGAAGTTTGGCCACCGGCAGCAGCGGCGCCCGCAACCTGTCCTGC
GGCCACGTGGTCTGCCTGGCCTGCGTGGCCGCCCTGGCGCACCCGCGCACTCTGGCCCTCGAGTGCCCA
TTCTGCAGGCGAGCTTGCCGGGGCTGCGACACCAGCGACTGCCTGCCGGTGTGCACCTCATAGAGCTC
CTGGGCTCAGCGCTTCGCCAGTCCCGGCCGCCATCGCGCCGCCCCAGCGCCCCGGAGCCCTCACC
TGCCACCACACCTTCGGCGGCTGGGGGACCCTGGTCAACCCACCGGACTGGCGCTTTGTCCAAGACG
GGCGTGTGCTGGTGGTGCACGACGGCAGGAGGGTGTCAAGATTTTACTCAGGGGAGGATGCGCG
CATCAGTTTGAGAGAAGGGGGACGCTGCCAAGACATTAGGTACCCTGTGGATGTCACCATCACC AAC
GACTGCCATGTGGTTGTCACTGACGCCGGCGATCGCTCCATCAAAGTGTGGATTTTGGCCAGATC
AAGCTTGTATTGGAGGCCAATTCTCCTTACCTTGGGGTGTGGAGACCACCCCTCAGAAATGGGATTGTG
GTAAGTGTGCGGAGGCGAGGTCCTGCACCTCCTGGACGTCGACTTCGCGGAAGGGTCTTTCGGAGA
ACTGAAAGGTTGCAAGCTCATCTGTGCAATCCCGAGGGGTGGCAGTGTCTTGGCTACCCGGGCCATT
GCGGTCTGGAGCACCCCTGGCCCTGGGACTGGGTTTGCAGCACCAGGTGAAAGTGTGTTAGCTCA
AGTATGCAGCTTGTGGCCAAGTGATACCTTTGGGCTGAGCCTTACTTCCCTCCAAAATAACTGCC
TCCGCTGTGACCTTTGATCACCAGGAAAATGTGATTGTTGCAGATACATCTGGTCCAGCTATCCTTTGC
TTAGGAAAACCTGAGGAGTTTCCAGTACCGAAGCCCATGGTCACTCATGGTCTTTTCGCATCCTGTGGCT
CTTACCTTACCAAGGAGAATTCTCTTCTGTGCTGGACACAGCATCTCATTCTATAAAAGTCTATAAA
GTTGACTGGGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

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Restriction Sites: Ascl-MluI



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Plasmid Map:	□
ACCN:	NM_198586
Insert Size:	1188 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_198586.2
RefSeq Size:	2134 bp
RefSeq ORF:	1188 bp
Locus ID:	378884
UniProt ID:	Q6VVB1
Cytogenetics:	6p22.3
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	42.3 kDa
Gene Summary:	The protein encoded by this gene is a single subunit E3 ubiquitin ligase. Laforin is polyubiquitinated by the encoded protein. Defects in this intronless gene lead to an accumulation of laforin and onset of Lafora disease, also known as progressive myoclonic epilepsy type 2 (EPM2).[provided by RefSeq, Mar 2010]