

Product datasheet for SC211177

NPC1L1 (NM_001101648) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	NPC1L1 (NM_001101648) Human 3' UTR Clone
Symbol:	NPC1L1
Synonyms:	LDLCQ7; NPC11L1; SLC65A2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001101648
Insert Size:	942 bp
Insert Sequence:	>SC211177 3'UTR clone of NM_001101648 The sequence shown below is from the reference sequence of NM_001101648. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
TTCTTGCCCAACAATGGGCGGCAGTTCTGTATACAGCCAGAGGCCCTGTCTAGGCTCTATGGCCCTGAAC
CAAAGGGTTATGGGGATCTTCTTGTGACTGCCCTTGACACACGCCCTCCTCAAATCCTAGGGGAGGC
CATTCCCATGAGACTGCCTGTCACTGGAGGATGGCCTGCTTTGAGGTATCCAGGCAGCACCACCTGATG
GCTCCTCTGCTCCCATAGTGGGTCCCCAGTTTCCAAGTCACCTAGGCCTTGGGCAGTGCCTCCTCCTGG
GCCTGGGTCTGGAAGTTGGCAGGAACAGACACACTCCATGTTTGTCCCACTCACTCACTTTCTAGG
AGCCCACTTCTCATCCAACCTTTCCCTTCTCAGTTCCTCTCTCGAAAGTCTTAATTCTGTGTCAAGTAAG
TCTTTAACACGTAGCAGTGTCCCTGAGAACACAGACAATGACCACTACCTGGGTGTGATATCACAGGA
GGCCAGAGAGAGGCAAAGGCTCAGGCCAAGAGCCAACGCTGTGGGAGGCCGGTCGGCAGCCACTCCCTC
CAGGGCGCACCTGCAGGTCTGCCATCCACGGCCTTTCTGGCAAGAGAAGGGCCAGGAAGGATGCTCT
CATAAGGCCCAGGAAGGATGCTCTCATAAGCACCTTGGTCATGGATTAGCCCTCCTGGAAAATGGTGT
TGGGTTTGGTCTCCAGCTCCAATACTTATTAAGGCTGTTGCTGCCAGTCAAGGCCACCCAGGAGTCTGA
AGGCTGGGAGCTCTTGGGGCTGGGCTGGTCTCCATCTTCACCTCGGGCCTGGATCCCAGGCCTCAAA
CCAGCCCAACCCGAGCTTTTGGACAGCTCTCCAGAAGCATGAACCTGAGTGGAGATGAAGATCCTGGCT
CTGTGCTGTGCACATAGGTGTTTAATAAACATTTGTTGGCAGAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI


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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001101648.2
Summary:	The protein encoded by this gene is a multi-pass membrane protein. It contains a conserved N-terminal Niemann-Pick C1 (NPC1) domain and a putative sterol-sensing domain (SSD) which includes a YQRL motif functioning as a plasma membrane to trans-Golgi network transport signal in other proteins. This protein takes up free cholesterol into cells through vesicular endocytosis and plays a critical role in the absorption of intestinal cholesterol. It also has the ability to transport alpha-tocopherol (vitamin E). The drug ezetimibe targets this protein and inhibits the absorption of intestinal cholesterol and alpha-tocopherol. In addition, this protein may play a critical role in regulating lipid metabolism. Polymorphic variations in this gene are associated with plasma total cholesterol and low-density lipoprotein cholesterol (LDL-C) levels and coronary heart disease (CHD) risk. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]
Locus ID:	29881
MW:	33.8