

Product datasheet for **SC209222**

Niemann Pick C1 (NPC1) (NM_000271) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Niemann Pick C1 (NPC1) (NM_000271) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: NPC1
Synonyms: NPC; POGZ; SLC65A1
ACCN: NM_000271
Insert Size: 790 bp
Insert Sequence: >SC209222 3'UTR clone of NM_000271
The sequence shown below is from the reference sequence of NM_000271. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACAGAGCGCGAACGGCTTCTAAATTTCTAGCCCTCTCGCAGGGCATCCTGACTGAACTGTGTCTAAGGG
TCGGTCGGTTTACCAGTGGACGGGTGCTGCATCGGCAAGGCAAGTTGAACACCGGATGGTGCCAACCA
TCGGTTGTTTGGCAGCAGCTTTGAACGTAGCGCCTGTGAACCTCAGGAATGCACAGTTGACTTGGGAAGC
AGTATTACTAGATCTGGAGGCAACCACAGGACACTAAACTTCTCCAGCCTCTTCAGGAAAGAAACCTC
ATTCTTTGGCAAGCAGGAGGTGACACTAGATGGCTGTGAATGTGATCCGCTCACTGACACTCTGTAAG
GCCAATCAATGCACTGTCTGTCTCTCTTTTAGGAGTAAGCCATCCCACAAGTTCTATACCATATTTTT
AGTGACAGTTGAGGTTGTAGATACACTTTATAACATTTTATAGTTTAAAGAGCTTTATTAATGCAATAA
ATTAACTTGTACACATTTTTATATAAAAAACAGCAAGTGATTCAGAATGTTGTAGGCCTCATTAGA
GCTTGGTCTCCAAAATCTGTTTAAAAAAGCAACATGTTCTTACAGTGTCCCTAGAAAGGAAGAG
ATTTAATTGCCAGTTAGATGTGGCATGAAATGAGGGACAAGAAAGCATCTCGTAGGTGTGTCTACTGG
GTTTTAACTTATTTTTCTTTAATAAAAATACATTGTTTTCTAAGTTTTGGGGTTACCCTATCTGCTTTG
AGAGACAAATACAAAAGCTAAATGGAAGAGA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:

Sgfl-Mlul

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).



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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_000271.5
Summary:	This gene encodes a large protein that resides in the limiting membrane of endosomes and lysosomes and mediates intracellular cholesterol trafficking via binding of cholesterol to its N-terminal domain. It is predicted to have a cytoplasmic C-terminus, 13 transmembrane domains, and 3 large loops in the lumen of the endosome - the last loop being at the N-terminus. This protein transports low-density lipoproteins to late endosomal/lysosomal compartments where they are hydrolyzed and released as free cholesterol. Defects in this gene cause Niemann-Pick type C disease, a rare autosomal recessive neurodegenerative disorder characterized by over accumulation of cholesterol and glycosphingolipids in late endosomal/lysosomal compartments.[provided by RefSeq, Aug 2009]
Locus ID:	4864
MW:	30