

Product datasheet for **SC116115**

NPC2 (NM_006432) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPC2 (NM_006432) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPC2
Synonyms:	EDDM1; HE1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116115 sequence for NM_006432 edited (data generated by NextGen Sequencing)

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ATGCGTTTCTGGCAGCTACATTCTGCTCCTGGCGCTCAGCACCGCTGCCAGCCGAA  
CCGGTGCAGTTCAAGGACTGCGGTTCTGTGGATGGAGTTATAAAGGAAGTGAATGTGAGC  
CCATGCCCCACCCAACCTGCCAGCTGAGCAAAGGACAGTCTTACAGCGTCAATGTCACC  
TTCACCAGCAATATTCAGTCTAAAAGCAGCAAGGCCGTGGTGCATGGCATCCTGATGGC  
GTCCCAGTTCCTTTCCATTCTGAGCCTGATGGTTGTAAGAGTGAATTAAGTGCCT  
ATCCAAAAGACAAGACCTATAGCTACCTGAATAAACTACCAAGTAAAAGCGAATATCCC  
TCTATAAACTGGTGGTGGAGTGGCAACTTCAGGATGACAAAACCAAGTCTCTCTGC  
TGGGAAATCCCAGTACAGATCGTTTCTCATCTCTAA
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Clone variation with respect to NM_006432.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006432 unedited</p> <pre> ATATTTGTATACGACTACTATAGGGCGGCNCGGAATTCGCACGAGGCCTGACTGGGCT CCTCCCCGGGCCCGCCCCGACGGTTTTGTCTTGTGACCGCGGGCGGCCGCTGCTTCTTTCC CGAGCTTGAAGTTCGTTATCCGCGATGCGTTTCTGGCAGTACATTCTGCTCCTGGC GCTCAGCACCGCTGCCAGGCCGAACCGGTGCAGTTCAAGGACTGCGGTTCTGTGGATGG AGTTATAAAGGAAGTGAATGTGAGCCATGCCCCACCAACCCTGCCAGCTGAGCAAAGG ACAGCTTACAGCGTCAATGTCACCTTACCAGCAATATTCAGTCTAAAAGCAGCAAGGC CGTGGTGCATGGCATCCTGATGGCGTCCAGTTCCTTTCCCATTCCTGAGCCTGATGG TTGTAAGAGTGGAAATTAAGTCCCTATCCAAAAAGACAAGACCTATAGCTACCTGAATAA ACTACCAGTGAAAAGCGAATATCCCTCTATAAACTGGTGGTGGAGTGGCAACTCAGGA TGACAAAAACCAAGTCTTCTGCTGGGAAATCCAGTACAGATCGTTTCTCATCTCTA AGTGCCTCATTGAGTTCGGTGCATCTGGCCAATGAGTCTGCTGAGACTCTTGACAGCACC TCCAGCTCTGCTCTCAACAACAGTGACTTGCTCTCAATGGTATCCAGTGATTGCTT GAAGAGGAGGTGCTCTGTAGCAGAACTGAGCTCCGGGTGGCTGGTTCTCAGTGGTTGNC TCATGTCTCTTTTTCTGTCTTAAGNGGNTTCATTAATGCAGCACTGGNTAGCAGATGTT TATTTTTTTTTTAAACACATAAACTGTGGCCTTCTACACCTGGAATTTACTCTGAATA ATAAACTCGTTGCTCTGTCTGCAAAAAAAAAAAAACTCGCTCTAGATGCGGCCGCG TCAAGCTGTT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006432 unedited</p> <pre> GCGGCCGAATCTANAGTCGAGTTTTTTTTTTTTTTTTTGCAGAAGACAGACAAACGAG TTTTTATTTATTCAAGAGTAAATTTCCAGGTGTAGAAAGAGGCCACAAGTTAATGTTGTT AAAAAAAAAATTAACATCTGCTAACCAAGTGCTGCATTTAATGAAACCACCTAAGACAG AAAAGAGACATGAGACAACCACTGAGAACCAGCCACCCGGAGCTCAGTTTCTGCTACAG AGCACCTCCTCTTCAACGAATCACTGGATACCATTGGAGAGCAAGTCACTGTTGTTGAAG CAGCAGAGCTGGAGGTGCTGTCAAGAGTCTCAGCAGACTCATTGGCCAGATGCACCGAAC TCAATGAGGCACTTAGAGATGAGAAACGATCTGTACTGGGATTTCCAGCAGAAGAGACT TTGGTTTTTGTACCTGAAGTTGCCACTCCACCACAGTTTTATAGAGGGATATTCGCT TTTCACTGGTAGTTTTATTCAGGTAGCTATAGGTCTTGTCTTTTTGGATAGGGCAGTTAAT TCCACTTTACAACCATCAGGCTCAGGAATGGGAAAGGGAAGTGGGACGCCCATCAGGAT GCCATGCACCACGGCCTTGCTGCTTTTAGACTGAATATTGCTGGTGAAGGTGACATTGAC GCTGTAAGACTGTCCTTTGCTCANCTGGCANGGGTTGGGTGGGGCATGGGCTCACATTC CTTCTTTATACTNCATCCACAGACCGCAGTCCTTTGACTGCACCCGGTTGCGCTGGGNN CACGTGCTGNACGCCAGGACAGGAATGTANCTGCAGGAAACGCATCGCGGATAACGAAAG TCCCAGCTCGGGAAGAAGCACGGCCGCCGCGTACAAGACAACTGTCGGGGCCGCC GGGNAGGGACCCAATCAGGCTGGTGCAGAAATCCGGNCGCCCTTAGTGGAGTCGATACA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006432
Insert Size:	850 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:

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_006432.3](#), [NP_006423.1](#)

RefSeq Size: 921 bp

RefSeq ORF: 456 bp

Locus ID: 10577

UniProt ID: [P61916](#)

Cytogenetics: 14q24.3

Domains: ML

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: This gene encodes a protein containing a lipid recognition domain. The encoded protein may function in regulating the transport of cholesterol through the late endosomal/lysosomal system. Mutations in this gene have been associated with Niemann-Pick disease, type C2 and frontal lobe atrophy. [provided by RefSeq, Jul 2008]