

Recombinant Human NPC2 Protein

Cat. No. NPC2-826H **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|--|
| Product Overview | Recombinant human NPC2 protein without tag was expressed in HEK293. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | 151 |
| Description | 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. |
| Form | Lyophilized |
| Molecular Mass | 16.5 kDa |
| AA Sequence | MRFLAATFLLLALSTAAQAEPVQFKDCGSVDGVIKEVNVSPCPTQPCQLSKGQSYS VNVTFSTNIQSKSSKAVVHGILMGVPVPFPIPEPDGCKSGINCPIQKDKTYSYLNKLP VKSEYPSIKLVVEWQLQDDKNQSLFCWEIPVQIVSHL |
| Purity | > 98% |
| Applications | Migration Assay; WB; ELISA; |

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| Stability | This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use. |
| Storage | At -20 centigrade. |
| Concentration | 1 mg/mL |
| Storage Buffer | PBS (pH 7.4-7.5). Sterile-filtered colorless solution (reconst). |
| Reconstitution | Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance. |

GENE INFORMATION

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| Gene Name | NPC2 Niemann-Pick disease, type C2 [Homo sapiens (human)] |
| Official Symbol | NPC2 |
| Synonyms | NPC2; Niemann-Pick disease, type C2; epididymal secretory protein E1; EDDM1; epididymal protein 1; HE1; NP C2; tissue-specific secretory protein; human epididymis-specific protein 1; niemann-Pick disease type C2 protein; MGC1333; |
| Gene ID | 10577 |
| mRNA Refseq | NM_006432 |
| Protein Refseq | NP_006423 |

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| MIM | 601015 |
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| UniProt ID | P61916 |
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