

Recombinant Human NPC1 protein, His-tagged

Cat. No. NPC1-1338H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NPC1 protein(23-266 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	23-266 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	QSCVWYGECDGIAYGDKRYNCEYSGPPKPLPKDGYDLVQELCPGFFFGNVSLCCDV RQLQTLKDNLQLPLQLFLSRCPSCFYNLLNLFCELTCSPRQSQFLNVTATEDYVDPVT NQTKTNVKELQYYVGQGFANAMYNACRDVEAPSSNDKALGLLCGKDADACNATN WIEYMFNKDNGQAPFTITPVFSDFPVHGMEPMNNATKGCDSESVDEVTA PCSCQDC SIVCGPKPQPPPPAPWTILGLD
Purity	75%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	NPC1 Niemann-Pick disease, type C1 [Homo sapiens]
Official Symbol	NPC1
Synonyms	NPC1; Niemann-Pick disease, type C1; Niemann-Pick C1 protein; NPC; FLJ98532;
Gene ID	4864
mRNA Refseq	NM_000271
Protein Refseq	NP_000262
MIM	607623
UniProt ID	O15118

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