

Recombinant Human NGLY1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NGLY1-1827H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NGLY1 MS Standard C13 and N15-labeled recombinant protein (NP_060767) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an enzyme that catalyzes hydrolysis of an N(4)-(acetyl-beta-D-glucosaminy) asparagine residue to N-acetyl-beta-D-glucosaminylamine and a peptide containing an aspartate residue. The encoded enzyme may play a role in the proteasome-mediated degradation of misfolded glycoproteins. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	74.4 kDa
AA Sequence	MAAAALGSSSGSASPAVAELCQNTPETFLEASKLLLTADNILRNPNDEKYRSIRIGN TAFSTRLLPVRGAVECLFEMGFEEGETHLIFPKKASVEQLQKIRDLIAIERSSSLRDLGSN KSHKVKSSQQPAASTQLPTTPSSNPSGLNQHTRNRQGQSSDPPSASTVAADSAILE VLQSNIQHVLVYENPALQEALACIPVQELKRKSQEKLSRARKLDKGINISDEDFLLLE LLHWFKEEFFHWVNNVLCSCGGQTRSRDRSLLPSDELKWGAKEVEDHYCDAC QFSNRFPYNNPEKLLLETRCGRCGEWANCFTLCCRAVGFEARYVWDYTDHVVTE VYSPSQQRWLHCDACEDVCDKPLLYEIGWGKKLSYVIAFSKDEVVDVTWRYSCHE EVIARRTKVKEALLRDTINGLNKQRQLFLSENRRKELLQRIIVELVEFISPKTPKPGEL

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GGRISGSVAWRVARGEMGLQRKETLFIPCENЕКISKQLHLCYNIVKDRYVRVSNNN
 QTISGWENGWVKMESIFRKVETDWHMVYLARKEGSSFAYISWKFECSVGLKVDSI
 SIRTSSQTFQTGTVEWKLRSDTAQVELTGDNSLHSYADFSGATEVILEAELSRGDGD
 VAWQHTQLFRQSLNDHEENCLEIIKFSDLTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [NGLY1 N-glycanase 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [NGLY1](#)

Synonyms NGLY1; N-glycanase 1; CDDG; PNG1; CDG1V; PNG-1; PNGase; peptide-N(4)-(N-acetyl-beta-glucosaminy)asparagine amidase; hPNGase; peptide:N-glycanase; EC 3.5.1.52

Gene ID [55768](#)

mRNA Refseq [NM_018297](#)

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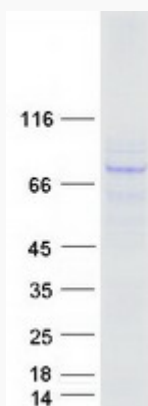
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Protein Refseq NP_060767

MIM 610661

UniProt ID Q96IV0

SDS-PAGE



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