

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

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

## SPECIFICATION

<b>Product Overview</b>	NGLY1 MS Standard C13 and N15-labeled recombinant protein (NP_060767) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes an enzyme that catalyzes hydrolysis of an N(4)-(acetyl-beta-D-glucosaminy) asparagine residue to N-acetyl-beta-D-glucosaminyamine 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.
<b>Molecular Mass</b>	74.4 kDa
<b>AA Sequence</b>	<p>MAAAALGSSSGSASPAVAELCQNTPETFLEASKLLLLTYADNILRNPNDEKYRSIRIGN  TAFSTRLLPVRGAVECLFEMGFEEGETHLIFPKKASVEQLQKIRDLIAIERSSRLDGSN  KSHKVKSSQQPAASTQLPTTPSSNPSGLNQHTRNRQGQSSDPPSASTVAADSAILE  VLQSNIQHVLVYENPALQEKALACIPVQELKRKSQEKLSRARKLDKGINISDEDLLE  LLHWFKEEFFHWVNNVLCSCGGQTRSRDRSLLPSDELKWGAKEVEDHYCDAC  QFSNRFPYNNPEKLETRCGRCGEWANCFTLCCRAVGFARYVVDYTDHVVTE  VYSPSQQRWLHCDACEDVCDKPLLYEIGWGKLSYVIAFSKDEVDVTVWRYSCKHE  EVIARRTKVKEALLRDTINGLNKQRQLFLSENRRKELLQRIIVELVEFISPKTPKPGEL</p>

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GGRISGSVAWRVARGEMGLQRKETLFIPCENEKISKQLHLCYNIVKDRYVRVSNNN  
 QTISGWENGVWKMESIFRKVETDWHMVYLARKEGSSSFAYISWKFECGSVGLKVDISI  
 SIRTSSQTFQTGTVEWKLRSDTAQVELTGDNSLHSYADFSGATEVILEAELSRGDGD  
 VAWQHTQLFRQSLNDHEENCLEIIIKFSDLTRTRPLEQKLISEEDLAANDILDYKDDDD  
 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-glucosaminyl)asparagine amidase; hPNGase; peptide:N-glycanase; EC 3.5.1.52

**Gene ID** [55768](#)

**mRNA Refseq** [NM\\_018297](#)

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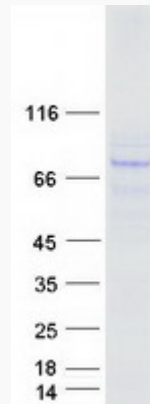
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**Protein Refseq** NP\_060767

**MIM** 610661

**UniProt ID** Q96IV0

**SDS-PAGE**



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