

Product datasheet for **RC227404**

NGLY1 (NM_001145293) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NGLY1 (NM_001145293) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NGLY1
Synonyms:	CDDG; CDG1V; PNG-1; PNG1; PNGase
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC227404 representing NM_001145293
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCGCGGCATTGGCAGCTCCTCAGGCTCGGCGTCCCCGCGTGGCTGAGCTCTGCCAGAACA
CCCCGGAGACCTTTTGGAGGCCTCCAAGCTGCTGCTCACCTATGCTGACAAACATCCTCAGAAACCTAA
TGATGAAAAATATAGATCCATCCGGATTGGAAACACAGCCTTTTCTACTAGACTCTTGCCTGTCAGAGGA
GCTGTTGAATGTTTATTTGAAATGGGCTTTGAAGAGGGAGAAACACATCTCATCTTCTAAAAAAGCTT
CAGTGGAGCAGCTGCAAAAAATTCGTGACCTGATTGCCATAGAGAGAAGTAGCAGACTGGATGGCTCAAA
TAAGAGCCACAAAGTAAAGTCATCTCAGCAACCTGCAGCCAGTACCCAGCTTCTACAACACCATCTTCA
AATCCCAGTGGGTTAAACCAGCACACAAGGAACCGTCAAGGGCAGTCATCAGATCCACCATCTGCTTCAA
CGGTTGCTGCTGACTCAGCCATTCTAGAAGTCTTCAGTCCAACATTCAGCATGTGCTGGTCTATGAAAA
TCCTGCTCTTCAGGAGAAAGCGTTGGCTTGTATCCGGTCCAAGAATAAAAAGGAAATCACAAGAAAAG
TTATCGAGAGCTAGAAAAATTGGATAAAGGTATCAATATAAGTGATGAGGATTTTCTTTTGGTGGAGCTTT
TGCACTGGTTAAGGAAGAATTTTTCACTGGGTGAATAACGTTTTGTGCAGCAAATGTGGTGGACAGAC
TAGGTCTAGAGATAGATCATTACTGCCAGTGATGATGAGCTGAAGTGGGGTGCAAAGGAAGTGAAGAT
CATTACTGTGATGCCTGCCAGTTCAGCAATCGATTCCCAAGATATAATAACCCTGAGAACTTTTGGAAA
CAAGATGTGGACGGTGTGGCGAGTGGGCCAATTGTTTTACTGTGCTGCCGAGCTGTAGGGTTGAAGC
TCGCTATGTTTGGGATTACACAGAGTTACAGCGCACATTAAGCCTAAAAGTACCACGTTAAAGGAGATT
GGAAAAACATTTTAAAGGATTTCAAAGAGACAGAAATTAATACAGGTAGTTGATGCTCACTTGGCGATATT
CCTGCAAAACATGAAGAGGTGATTGCCAGAAGAACTAAGGTTAAAGAAGCATTACTTCGAGACACTATTAA
TGGGCTTAATAAGCAGAGGCAACTGTTTTTGTGAGAAAACAGAAGGAAAGAACTTCTCCAGAGGATAATT
GTGGAGCTTGTGAATTTATATCTCCAAAACCCCTAAACCTGGAGAACTTGGGGGAAGAATATCTGGGT
CAGTGGCTTGGAGAGTAGCCGAGGTGAAATGGGTCTACAGAGAAAAGAAACCTTGTATTCCCTGTGA
AAATGAGAAGATTTCTAAACAGCTCCACCTTTGTTACAATATTGTGAAAGATCGTTATGTTTCGAGTTTCA
AATAACAATCAAACCTTTCTGGATGGGAGAATGGCGTGTGAAAATGGAATCTATTCAGAAAAGTTG
AAACAGACTGGCACATGGTATATTTGGCCGAAAGGAAGGATCATCTTTTGTCTATATTTCTGGAAGTT
TGAGTGTGGGTCAGTTGGCCTAAAAGTAGATAGCATTCTATTAGAACAAGTAGTCAAACCTTTTCAGACT
GGAACAGTAGAATGGAATTTGCATCTGATACAGCACAAGTAGAACTGACAGGCGATAACAGTCTTCACT
CCTATGCTGATTTTCTGGTGCCACTGAAGTATTTTGAAGCAGAATTAAGCAGAGGAGATGGTATGT
CGCTTGGCAACACACCCAGCTGTTTAGACAAAGCTTAAATGACCATGAAGAAAATTTGTTGGAGATAATT
ATAAAATTCAGTGACCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_001145293.1](#), [NP_001138765.1](#)

RefSeq ORF: 1911 bp

Locus ID: 55768

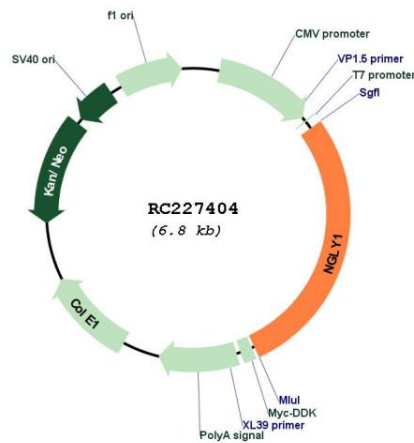
UniProt ID: [Q96IV0](#)

Cytogenetics: 3p24.2

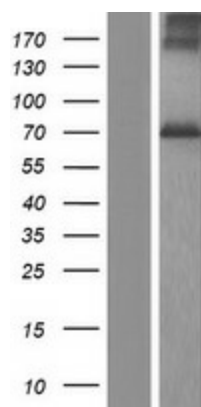
MW: 72.1 kDa

Gene Summary: This gene encodes an enzyme that catalyzes hydrolysis of an N(4)-(acetyl-beta-D-glucosaminyl) 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.[provided by RefSeq, Feb 2009]

Product images:



Circular map for RC227404



Western blot validation of overexpression lysate (Cat# [LY428797]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227404 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).