

Product datasheet for **MC202185**

Ngly1 (NM_021504) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ngly1 (NM_021504) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ngly1
Synonyms:	1110002C09Rik; Png1; PNGase
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC028961 sequence for NM_021504
 CGCAGCCATGGCGTCGGCCACACTGGGCAGCTCGTCGAGCTCTGCGTCCCCGGCCGTGGCCGAGCTATGC
 CAGAACACCCCGGAGACCTTTCTGGAGGCTCCAAGCTGCTGCTCACCTACGCCGACAACATCCTGAGAA
 ACCCCAGTGATGAAAAATACAGATCCATCCGTATTGGGAACACAGCGTTTTCTACTAGACTCTTGCCCTGT
 CAGAGGAGCTGTTGAGTGTATTTGAAATGGGCTTTGAAGAGGGAGAAACGCATCTTATCTTTCCATAAA
 AAAGCTTCAGTGGAACAGCTACAGAAAAATCCGTGATCTGATTGCCATAGAGAGAAGCAGCAGACTGGACG
 GATCCAGTAAGAAGGTGCAATTCTCAGCACCCGGCTGCTGCCAAGCTTCTCTGGAGCAGCTGGAAGA
 TCCTGCTGGGTTAATACGGCACTCAGGAAACCAACAGGGCAGCTGCCAAGCCTACCTCTGCTCCAATG
 GTTGTTGGTGATTCAACCATCTTAAAAGTCTTTCAGTCCAACATTTCAGCATGTGCAGCTCTATGAAAACC
 CTGTCCTCCAGGAGAAAGCATTGACTTGTATCCCAGTCAGTGAACATAAAAAGAAAAGCTCAAGAAAAGTT
 ATTCAGAGCTAGAAAAGTTAGATAAAGGTAATGTAAGTATGAGGACTTCTTCTACTGGAGCTCCTA
 CACTGGTTAAAGAGGAGTTTTTCGCTGGGTGAATAACATTGTGTGCAGCAATGTGGTGGAGAGACTA
 GATCTAGAGATGAGGCATTGCTGCCAATGATGATGAACTGAAGTGGGGTCAAAGAATGTGGAGAATCA
 TTAAGTGTGATGCCTGCCAGTTGAGCAACCGCTTCCAAGATATAACAACCCCGAGAACTTTTGAAACA
 AGATGTGGACGCTGTGGTGAATGGGCCAATTGTTTTACTCTGTGTGCCGTGCATTAGGGTTTGAAGCTC
 GATATGTGTGGGATTACACAGACCATGTTTGGACAGAAGTCTATTCTCCATCTCAGCAGCGGTGGCTACA
 CTGTGATGCATGTGAGGATGTCTGTGACAAACCCCTCTTTATGAAATAGGATGGGGCAAGAAGCTTTCC
 TATATAATAGCATTCTCTAAAGATGAGGTAGTTGATGTCACCTGGCGATACTCTTGTAACATGATGAGG
 TGATGTCCAGGAGGACCAAGGTTAAAGAAGAGTACTTCGAGAACTATTAATGGGCTTAATAAGCAGAG
 ACAGCTATCATTATCAGAAAGCAGAAAGGAAAGAACTTCTCCAGAGGATAATTGTGGAGCTTGTGAAATTT
 ATATCTCTAAAACCCCAAGACCTGGAGAACTTGGTGGAGGGTATCCGGGTCATTGGCTTGGAGAGTGG
 CCCGAGGTGAGACGGGTCTAGAGAGAAAGGAGATTCTGTTTATCCCTTCTGAAAAATGAAAAGATTTCTAA
 GCAGTTTACCTCCGTTATGATATTGTGAGAGACCGTTACATTCTGTCTCAGACAACAACATAAACATT
 TCTGGATGGGAGAAATGGTGTGTGAAAAATGGAATCCATATTCAGAAAAAGTCGAGAAAGACTGGAACATGG
 TTTATTTGGCCCGAAAAGAGGATCATCTTTTGTATATTTTCTGGAAGTTTGAATGTGGGTGAGCTGG
 TCTAAAAGTAGATACTGTTTCCATCCGCACAAGTAGCCAAAGCTTTGAGTCTGGATCAGTGGAGTGGAAA
 CTGCGATCTGAGACAGCTCAAGTCAACCTGCTGGGAGATAAAAAATCTACGTTCTATAATGATTTTTCTG
 GTGCCACAGAGTTACATTAGAAGCAGAGTTAAGCAGAGGAGATGGAGACGTTGCTTGGCAACATACCCA
 ACTGTTTAGACAAAGCTTAAATGACAGTGGAGAAAATGGCTTGGAAATAATTATAACGTTCAATGACCTC
 TGAAGCCTGAACCTCAGGAAAATGCTGGCTACAATCACCGACCCGCCATGGCCTCCAGTAGTGTATTAG
 CTCAGTGTGATCTAGTTGGCAGTTCACCATCCTGTGCAACAGGTTTCTTTTGTGGCTGTACATCATGT
 AATCCTCATTAAAGTATATCTTCATAGTGTGGACCATAAGAAATCTTCAATTAATGCTAACTTCTGCCCT
 GTGATTAGAATTTGGCATAAAAATATTTGGCATAAAGTAACTGTATGAAATTCTAATCTAAACACTGTTAC
 TAAAGTTGTAAGTAAAAATGATGGTATTTCATGATTAATGCTGTTTCAATGATGATACAATCTAGGGCT
 ACTAGTTACTTAACATTTTCTGATTAGATTTTTCCAAACATTCTCAATTTTGAATAACTGTCAAAGTCAA
 GTATCTTATGTATATGATGCATGAAGTTTTTATCATTGTAATATCTGGACAGTTAAAAAATAAATG
 GATTATTTTTGCTTTAAAAAATAAATG

Restriction Sites: RsrII-NotI

ACCN: NM_021504

Insert Size: 1956 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">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:	<u>BC028961</u> , <u>AAH28961</u>
RefSeq Size:	2480 bp
RefSeq ORF:	1956 bp
Locus ID:	59007
UniProt ID:	<u>Q9JI78</u>
Cytogenetics:	14 7.08 cM
Gene Summary:	<p>Specifically deglycosylates the denatured form of N-linked glycoproteins in the cytoplasm and assists their proteasome-mediated degradation. Cleaves the beta-aspartyl-glucosamine (GlcNAc) of the glycan and the amide side chain of Asn, converting Asn to Asp. Prefers proteins containing high-mannose over those bearing complex type oligosaccharides. Can recognize misfolded proteins in the endoplasmic reticulum that are exported to the cytosol to be destroyed and deglycosylate them, while it has no activity toward native proteins. Deglycosylation is a prerequisite for subsequent proteasome-mediated degradation of some, but not all, misfolded glycoproteins.[UniProtKB/Swiss-Prot Function]</p>