

## Product datasheet for TP509772

### Ngly1 (NM\_021504) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse N-glycanase 1 (Ngly1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209772 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MASATLGSSSSASPVAELCQNTPETFLEASKLLLYADNLRNPSDEKYRSIRIGNTAFSTRLLPV  
AVECLFEMGFEEGETHLIFPKASVEQLQKIRDLIAIERSRLDGSSKKVQFSQHPAAAKLPLEQSE  
GLIRHSGNQGTGQLPSLPSAPMVVDSTILKVLQSNIQHVQLYENPVLQEKALTCIPVSELKRKAQEK  
ARLKDGTNVSDDEFLLLELLHWFKEEFFRWVNNIVCSKCGGETRSRDEALLPNDELKWKAKN  
VENHYCDACQLSNRFPYNNPEKLETRCGRCGEWANCFTLCCRALGFEARYVWDYTDHVVTEV  
SPSQQRWLHCDACEDVCDKPLLYEIGWGKKLSYIIAFSKDEVVDVTWRYSCKHDEVMSRRTK  
VKEELLRETINGLNKQRQLSLSERRKELLQRIIVELVEFISPKTPRPGELGGRVSGSLAWRVAR  
GETGLERKEILFIPSENEKISKQFHLRYDIVRDRYIRVSDNNINISGWENGVWKMESIFR  
KVEKDWNMVYLARKEGSSFAYISWKFECCGSAGLKVDTVSIRTSSQSFESGSRWKLRS  
ETAQVNNLLGDKNLRSYNDFSGATEVTLEAELSRGDGDVAWQHTQLFRQSLNDSGENGLE  
IIITFNDL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	74.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	<a href="#">NP_067479</a>
Locus ID:	59007
UniProt ID:	<a href="#">Q9J178</a>
RefSeq Size:	2901
Cytogenetics:	14 7.08 cM
RefSeq ORF:	1956
Synonyms:	1110002C09Rik; Png1; PNGase
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>