

Product datasheet for **MC217298**

Nagpa (NM_013796) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nagpa (NM_013796) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nagpa
Synonyms:	A1596180; UCE
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217298 representing NM_013796
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGCCAGGGGGCCGGCTGTTCTCATACCCGCGCTGCTCGGCTTACTCGGGTGGCGTGGT
 GCAGCCTAAGCTTCGGGGTTCCCGCGACGATGACCTGCTGCTGCCTTACCCACTAGCGCGCAGAGTCC
 CTCGCGAGACTGCGCCCGGGTGCCTCAGGTAGCCAGAGCAGGAGAGCTGGCCTCCGCCACCCACGAAC
 CCCGGCGCACCCACCGCGGCGTGCACCTTCGTGTGCACTTCGAGGGGCGCGGGTGGCCGGCC
 ACCTGACGCGGGTCGCCGATCCCCTACGCACTTCTCGGTGCTGGAGCCGGAGGAGCCGGGGGCTGCGC
 GCAGAAGCGCCGCTACTGTGGAGACACAGCCGTCGCCGGGTTGCCGCATCGCTCAGAACGGTGGC
 TTCTCCGCATGAGCACTGGCGAGTGTGGGGAACGTGGTGGAGCAGCGGGCGGCTGGTGGAGAGTCCAG
 GGGGACTGCAGAACCGCAGTTCGGTATCCGACGCGATGGAACCATAGTACCGGGTACCTGTCTGAGGA
 GGAGTTCTGGATCCCGTGAATCCGTTCTGTGACGCTGCTGAGCGGAGTGTGGCTCATCCGCAATGGA
 AACATCTACATCAACGAGAGCCAAGCCATCGAGTGTGACGAGACACAGGAGACAGGTTCTTTTAGCAAT
 TTGTGAATGTGATGTCAGCCAGGACAGCCGTGGGTGATGACCGTGGAGGGGAGCTTATCCTCTTCCATGC
 TGATGGACAGACGGAACAGCGTGGCCTTAACCTATGGGAGATGGCAGAGTTCTGCGTCAACAAGATGTC
 GTCAATGCCATCAACCTGGATGGAGCGGTTCTGCTACTTTTGTGCTCAATGGGACCCTGGCCAGTTACC
 CTTGAGTCACTGCCAGGACAACATGTGGCGCTGTCCCGCCAAGTGTCCACTGTGGTGTGTGTCATGA
 ACCGCGCTGCCAGCCACCCGACTGCAGTGGCCATGGGACTGTGTGGATGGCCACTGTGAATGCACCAGC
 CACTTCTGGCGGGCGAGGCTGCAGCGAGCTGGACTGTGGCCCTCCAAGTGCAGCCAGCATGGGCTGT
 GCACAGAGACTGGCTGCCACTGTGATGCTGGGTGGACAGGATCCAAGTGCAGTGAAGAGTCTCTCTGGG
 CTGGTATGGGCCAGGTTGCCAGAGGCCCTGCCAGTGTGAGCACCAGTGTCTGTGACCCGAGACTGGC
 AACTGCAGCATCTCCAAGTGGAGCAGTGTCTCCAGCCAAGTGGAGTACGCCGAGGGCAGGAGAGCTGG
 CCTCTTTCACAGGACCCTGGCTAGCCCTCACCTGACACTAATTTTCTGCTGCTGATCAGCACTGG
 GGTCAACGTGTCTTGTCTGGGCTCCAGGGCCGAGAGGAACCGGCACCTCGACGGGACTATGTGTAT
 CACCCACTGCAGGAGGTGAACGGGAAGCGCTGACTGCAGAGAAGGAGCAGATGGAGGAACTAGCAACC
 CCTTCAAGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_013796

Insert Size: 1554 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:

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_013796.3](#), [NP_038824.2](#)

RefSeq Size: 2152 bp

RefSeq ORF: 1554 bp

Locus ID: 27426

UniProt ID: [Q8BJ48](#)

Cytogenetics: 16 A1

Gene Summary: Catalyzes the second step in the formation of the mannose 6-phosphate targeting signal on lysosomal enzyme oligosaccharides by removing GlcNAc residues from GlcNAc-alpha-P-mannose moieties, which are formed in the first step. Also hydrolyzes UDP-GlcNAc, a sugar donor for Golgi N-acetylglucosaminyltransferases.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the shorter transcript but encodes the functional protein.