

Product datasheet for **MC220959**

Gnptab (BC060638) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gnptab (BC060638) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gnptab
Synonyms:	EG432486; mKIAA1208
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC060638
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGGGAAACCTCGGGAAGAACAACCGAACCGACAAAGAAGAGTGAGAAGCAGCTGGAATGTCTGC
 TGACGCACTGCATTAAGGTGCCCATGCTTGTCTGGACCCGCCCTGCCAGCCAACCTGCACCCTGAAGGA
 TCTGCCAACCCCTTATCCATCTTTCCACGCTGCCAGCGACATGTTCAATGTTGCGAAACAAAAATCCG
 TCTACTAATGTCTCCGTTGTCGTTTTGACACTACTAAGGATGTTGAAGACGCCCATGCTGGACCGTTTA
 AGGGAGGCAGCAAACAGATGGTTTGAGAGCCTACTTGACAACAGACAAAGAAGCCCTGGCTTAGTGCT
 GATGCAAGGCTTGGCGTTCCTGAGTGGATTCCCACCGACCTCAAGGAGACGAGTCAACTGAAGACAAG
 CTGCCAGAAAAGCTTTCCTCTAAAATAAAGCTGTTGCGGCTGACTCGGAGGCCAGTGCCTCTTCTGA
 AATTGAATAATCCCAAGGGTTTCCAAGAGCTGAACAAGCAGACCAAGAAGAACATGACCATCGATGGAA
 GGAAGTACCATCAGCCCTGCGTATCTGCTGTGGGACCTGAGTGCCATCAGCCAGTCCAAGCAGGATGAG
 GACGTGTCTGCCAGCCGCTTTGAGGATAATGAAGAGCTGAGGACTCGCTGCGATCTATCGAGAGACCG
 CGCCATGGGTACGGAATATTTTCATTGTACCAACGGGCAGATCCATCCTGGCTGAACCTTGACAACCC
 TCGAGTGACCATAGTGACCCACCAGGACATTTTCCAAAATCTGAGCCACTTGCTACTTTTCAGTCCCTT
 GCTATTGAAAGTCACATTCACCGCATCGAAGGGCTGTCCAGAAAGTTATTTATCTAAATGACGATGTCA
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 GAGGTGGGGTACCGGGAATATTGGAGCTGGACAGCACTGGCAGTTTGGTGGAGGAATAACACGCTTC
 TTAAGTAAACCAAGGATGTGCAAACTCCTGGCTGGCTGACAAGTTCTGTGACCAAGCCTGTAACTCTTA
 TCCTGCGGTTTGTGCTGGTACTGTGACAAGATCATTTTCATGAATTGTATAAAGTAACACTTCTCC
 CAAACCAGACTCACTATGTTGTCCCAAAGGTGAATACCTGTCTTATTTTCAGCTTGTGGTGAACACAG
 ATCAGAGAGATGGACTGCCCCAGCAGAGACAGTACCCTGAAAGGCCGTGACCACGCTTTGAATCCACCC
 CCGGTGTTGGAGACCAATGCAAGATTGGCCAGCCTACACTAGGCGTGACTGTGTCCAAAGAGAACCTTT
 CACCGCTGATCGTTCCCCGAAAGCCACTTGCCAAAAGAAGAGGAGAGTGACAGGGCAGAAGGCAATGC
 TGTACCTGTAAGGAGTTAGTGCCTGGCAGACGGTTGCAGCAGAATTATCCAGGCTTTTTGCCCTGGGAG
 AAAAAAAGTATTTCCAAGACCTTCTTGATGAGGAAGAGTCATTGAAGACCCAGTTGGCGTACTTTACAG
 ACAGCAAACATACCGGGAGGCAACTAAAAGATACATTTGCAGACTCCCTCCGATACGTCAATAAAATTTCT
 CAACAGCAAGTTTGGATTCACATCCAGGAAAGTCCCTGCACACATGCCGCACATGATTGACAGGATCGTT
 ATGCAAGAACTCCAAGATATGTTCCCTGAAGAATTTGACAAGACTTCATTTCACAAAGGTGCGTCACTCTG
 AGGACATGCAGTTTGCCTTCTCTACTTTTATTACCTCATGAGTGCAGTTCAGCCCTCAATATTTCCCA
 AGTCTTTCATGAAGTAGACACAGACCAATCTGGTGTCTTGTCTGATAGGGAAATCCGAACACTGGCCAG
 AGAATTCACGACCTACCTTAAAGCTTGCAGATTGACAGGTTTGAACACATGTTAATAAATTGCTCAA
 AAATGCTCCCGCTAATATCACTCAACTCAACAACATCCCACCGACTCAGGAAGCATACTACGACCCCAA
 CCTGCCTCCGGTCACTAAGAGTCTTGTCACTCACTGTAAGCCAGTAACTGACAAGATCCACAAGGCTAT
 AAAGACAAGAACAATAACAGTTTGAATCATGGGAGAGGAAGAAATCGCTTTCAAGATGATACGAACCA
 ATGTTTCTCATGTGGTTGGCCAGTTGGATGACATCAGAAAAAACCCAGGAAGTTCGTTTGTCTGATGA
 CAACATTGACCACAACCAATAAGATGCCCGACAGTGAAGGCTGTCTCAGGGACTTCTATGAGTCCATG
 TTTCCATACCTTCCAGTTTGGAGCTGCCAAGAGAGTATCGGAACCGCTTCTGCACATGCATGAGCTCC
 AAGAATGGCGGCATATCGAGACAAGCTGAAGTTTGGACCCACTGCGTACTAGCAACGTTGATTATATT
 TACTATATTCTATTTTTGCTGAACAGATAATTGCTCTGAAGCGAAAGATATTTCCAGGAGGAGGATA
 CACAAAGAAGCTAGTCCAGACCGAATCAGGGTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	BC060638
Insert Size:	2766 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:	BC060638 , AAH60638
RefSeq Size:	4699 bp
RefSeq ORF:	2765 bp
Locus ID:	432486
Cytogenetics:	10 C1
Gene Summary:	Catalyzes the formation of mannose 6-phosphate (M6P) markers on high mannose type oligosaccharides in the Golgi apparatus. M6P residues are required to bind to the M6P receptors (MPR), which mediate the vesicular transport of lysosomal enzymes to the endosomal/prelysosomal compartment.[UniProtKB/Swiss-Prot Function]