

Product datasheet for **MG211191**

Gnptab (BC060638) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gnptab (BC060638) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gnptab
Synonyms:	EG432486; mKIAA1208
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211191 representing BC060638
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGGGAAACCTCGGGAAGAACAACCGAACCGACAAAGAAGAGTGAGAAGCAGCTGGAATGTCTGC
 TGACGCACTGCATTAAGGTGCCCATGCTTGTCTGGACCCGCCCTGCCAGCCAACCTGCACCCTGAAGGA
 TCTGCCAACCTTTATCCATCTTTCCACGCTGCCAGCGACATGTTCAATGTTGCGAAACAAAAATCCG
 TCTACTAATGTCTCCGTTGTCGTTTTGACACTACTAAGGATGTTGAAGACGCCCATGCTGGACCGTTTA
 AGGGAGGCAGCAAACAGATGGTTTGGAGAGCCTACTTGACAACAGACAAAGAAGCCCTGGCTTAGTGCT
 GATGCAAGGCTTGGCGTTCCTGAGTGGATTCCCACCGACCTTCAAGGAGACGAGTCAACTGAAGACAAG
 CTGCCAGAAAAGCTTTCCTCTAAAATAAAGCTGTTGCGGCTGACTCGGAGGCCAGTGTCTGCTTCTGA
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 GGAAGTACCATCAGCCCTGCGTATCTGCTGTGGGACCTGAGTGCCATCAGCCAGTCCAAGCAGGATGAG
 GACGTGTCTGCCAGCCGCTTTGAGGATAATGAAGAGCTGAGGACTCGCTGCGATCTATCGAGAGACACG
 CGCCATGGGTACGGAATATTTTCATTGTACCAACGGGCAGATCCATCCTGGCTGAACCTTGACAACCC
 TCGAGTGACCATAGTGACCCACCAGGACATTTTCCAAAATCTGAGCCACTTGCTACTTTTCAGTTCGCCCT
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 AAGAATGGCGGGCATATCGAGACAAGCTGAAGTTTTGGACCCACTGCGTACTAGCAACGTTGATTATATT
 TACTATATTCTATTTTTGCTGAACAGATAATTGCTCTGAAGCGAAAGATATTTCCAGGAGGAGGATA
 CACAAAGAAGCTAGTCCAGACCGAATCAGGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211191 representing BC060638
 Red=Cloning site Green=Tags(s)

MRETLGKNTTEPTKKSEKQLECLLTHCIKVPMLVLDPPLPANCTLKDLPTLYPSFHAASDMFNVAKPKNP
 STNVSVVVFDTTKDVEDAHAGPFKGGSKQMWRAYLTTDKEAPGLVLMQGLAFLSGFPPTFKETSQKTK
 LPEKLSKIKLLRLYSEASVALLKLNPKGFQELNKQTKKNTIDGKELTISPAYLLWDLSAISQSKQDE
 DVSASRFEDNEELRYSLSIERHAPWVRNIFIVTNGQIPSWLNDNPRVTIVTHQDIFQNLSHLPTFSSP
 AIESHIHRIEGLSQKFIYLNDDVMFGKDVWPDFYSHSKGQKVYLTWPVVPNCAEGCPGSWIKDGYCDKAC
 NNSACDWDGGDCSGNTAGNRFVAGGGGTGNIGAGQHWQFGGGINTISYCNQGCANSWLADKFCQACNVL
 SCGFDAGDCGQDHFHELKVTLLPNQTHYVVPKGEYLSYFSFAGEHRSERWTAPAETVTVKGRDHANPP
 PVLETNARLAQPTLGVTYSKENLSPLIVPPESHLPKEEESDRAEGNAVVKELVPGRRLLQNYPGFLPWE
 KKKYFQDLLDEEESLKTQLAYFTDSKHTGRQLKDTFADSLRYVVKILNSKFGFTSRKVP AHMPHMIDRIV
 MQELQDMFPEEFDKTSFHKVRHSEDMQFAFSYFYLLMSAVQPLNISQVFHEVDTDQSGVLSDREIRTLAT
 RIHDLPLSLQDLTGLEHMLINCSKMLPANITQLNNIPPTQEAYYDPNLPVTKSLVTNCKPVTDKIHKAY
 KDKNKYRFEIMGEEI AFKMIRTNVSHVVGQLDDIRKNPRKFVCLNDNIDHNHKDARTVKAVLRDFYESM
 FPIPSQFELPREYRNRFLHMHLEQEWARYRDKLKFWTHCVLATLIIFTIFSFFAEQIIALKRKIFPRRRI
 HKEASPRIRV

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

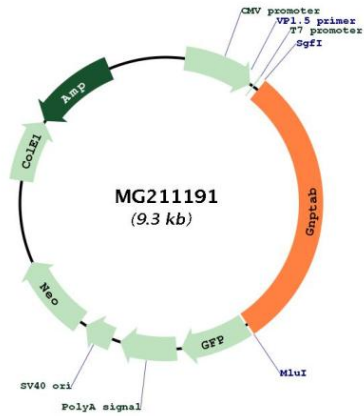
Cloning Scheme:



ACCN: BC060638

ORF Size:	2763 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	BC060638.1
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]

Product images:



Circular map for MG211191