

Product datasheet for MC213102

Gm4952 (NM_001167907) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: Gm4952

Synonyms: EG240549

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >MC213102 representing NM_001167907
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCCATTTGCCAAGTTCACAGATGCTGCAGATGTTGGAGAGCTCCTTAAGGAAATACCTTCCTGAGT
CCTTAAAGGTTTATGGGACTGTCTTCCACATGAACAGGGAACCCATTCAAGCTCAAGGCTCTGGTGGG
CAAGTGGCTGATTTTAAACAGTGGTGTCCGTCTCGGGAACAGGAGATGGGAGATGACCTTGATCAG
CACACCAACACTTACCAGATATATTCTAAAGATCCTAAGCACTGTTTGAATTCCTTGGCACACAGATG
TCATCAACTGGAACAGCATCTGCAGATCCAAAGTTCACAGTCCAACCTAAATGAAGCAATAATGGACCT
TGCGGCGGGTAAGATGGTCAAGGTCAAGAGAACACAGTGCATTCTCTACATGATGCCTGAGACAGCAAAG
AACTGGTTCCTTCCCTGTTGGAGGATAAAGAGTACTTAGACCATCAATCTGGCAGGCCCGGGCTATTG
ACCAAGAAATGTTTAACTCTCAACACTGGATGTACCCACGCTCCCTTGGTGGATAAATCTGGCAGTT
TGGTGGCAATGAAAGGAGCCAGAGATTCATTGGGCGCTGTATCCAGATCTTCCAGCTCATGTCTCTG
GGACCTGAAGGGACTCCTGTGTCTTGGGCTCTGATGGATCAAAGTGGAGAAATCCGAATGGCGGGCACAG
TGCCTGACTACCGGGCACAAGGCCTTATCTCCACATCATTTATGCTCAGACTCTGGCTATGGATAAACG
TGGTACCTGTGTATAATCATACAGAAACCAACAAAGTCATACAGAAATGAGTCACACTCTACAC
CATGTCCCATGCCCTGTGACTGGAATCAGTGGTATTGTGCACCTCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001167907



Insert Size:	891 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001167907.1, NP_001161379.1</u>
RefSeq Size:	1515 bp
RefSeq ORF:	891 bp
Locus ID:	240549
UniProt ID:	<u>Q5FW57</u>
Cytogenetics:	19
Gene Summary:	Mitochondrial acyltransferase which transfers the acyl group to the N-terminus of glycine. Can conjugate a multitude of substrates to form a variety of N-acylglycines (By similarity). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.