

Product datasheet for **MC217066**

Gm4922 (NM_177706) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Gm4922
Synonyms:	4933423E17; EG237300
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC217066 representing NM_177706
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTACTCTGACAGCGAGGATGAGTCATCAGAGCTCAGCACTGTGCTCAGCATGTTTGAGGAGAAGGAGT
 TCACCAAGGCAGTACACCGTCCTGAAGACCTTGAGCCAGCATGGCACTACTGAAGTGAGGCTATGCTCCCA
 TCACCTCACAGGTGTACAGTTGCTGTCAAAGCTCTGAAGTACCAGAGGTGGTGGGAGCCAAAGGTTTCA
 GAAGTCGAATCATGAAGATGCTCAGCCACCCTAACATTGTTTCCCTTCTGCAAGTGATAGAGACAGAAC
 AGAACATTTATCTGATTATGGAAGTGGCCCAAGGCACACAGCTACATAATCGAGTCCAGGAGGCTAGGTG
 CCTGAAGGAAGATGAAGCAAGAAGCATATTTGTTCAAGTTGCTCAGTGCCATAGGCTACTGTATGGTGAA
 GGTGTTGTTACAGAGACCTAAAGCCTGACAATGTCATAGTTGATGAGCATGGAATGTCAAATTTGTTG
 ACTTTGGGCTAGGTGCCAGATTCATGCCTGGGCAGAAATTGGAAAGGCTGTGTGGAGCCTTCCAGTTCAT
 TCCTCCAGAGATATTCCTAGGGCTCCCTTATGATGGCCAAAAGTAGACATATGGGCCTTGGGGTTCTT
 TTGTATTATATGGTGACAGGGATTTTCCATTTGTAGGGTCCACCTTGTGAGAAATTAGCAAGGAAGTTC
 TACAAGGGAGGTATGAAATTCCTTATAATCTCTCTAAAGACTTAAGGAGCATGATAGGCCTGTTATTGGC
 AACAAACGCAAGGCAGAGGCCAACTGCACAAGACCTCCTAAGTCATCCATGGCTTCAGGAAGGGGAAAAG
 ACTATCACATTTTCAATGGAGACACCAGCTTTCCAGACCTGACATAATGGCAGCCATGAAAAATA
 TTGGGTTTCATGTGCAGGACATTAGAGAATCATTAAACACAGAAAGTTCGATGAACTATGGCTACATA
 TAACTTACTGAGAGCTGAGGCATGTCAGGATGATGGCAATTATGTTCAAACAAAGTTAATGAATCCAGGG
 ATGCCACCTTTCCCTTCAGTAACAGACTCTGGAGCTTTTCTGCTCCTAGGAGAAGGGCCAGTGAAC
 CTTCTTTAAAGTATTAGTCTCATCTACTGAAGAACATCAATTAAGACAACTGGGGGACAAATGCCCC
 TTTTCCACCCAAGAAAACACCCACTATGGGCAGAAAGTCAGAAACAGAAACGTGCCATGACTGCCCTTGT
 ATTTGTTTACTGAGAAACACTTACATAGATACAGAAGACAGCAGCTTTTGCACTAGCTCCCAGGCAGAAA
 AGACTTCAAGTGATCCAGAGAAAAGTGAGACTTCAACTTCATGCCCTCTGACACCTAGGGGCTGGAGGAA
 ATGGAAGAAGAAATTGATGCATGCATCCAGACATTGTGTTGCTGCACGTTGCCTCAAAAAAATGTCCG
 AGGAGTGTGCATCCCCAAAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_177706

Insert Size: 1494 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_177706.4, NP_808374.1</u>
RefSeq Size:	2355 bp
RefSeq ORF:	1494 bp
Locus ID:	237300
UniProt ID:	<u>Q8C0N0</u>
Cytogenetics:	10
Gene Summary:	May play a role in sperm motility, especially in the regulation of flagellar function. [UniProtKB/Swiss-Prot Function]