

Product datasheet for **MC207274**

Fgf12 (NM_010199) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf12 (NM_010199) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fgf12
Synonyms: AV114868; B230343J05Rik; FGF-12; FHF-1; Fhf1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207274 representing NM_010199
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGCAAAGAACCCAGCTGAAAGGGATTGTGACAAGGTTATTCAGCCAGCAGGGATATTTCTGC
AGATGCATCCAGATGGTACCATTGATGGACCAAGGACGAAAACAGCGACTACACCCTCTCAATCTAAT
TCCTGTAGGACTGCGTGTGGTGGCCATCAAGGGTTAAAGCCAGCCTTTATGTGGCCATGAATGGAGAA
GGCTATCTCTACAGCTCAGATGTTTTACCCAGAAATGCAAAATTAAGGAGTCTGTGTTGAAACTACT
ATGTGATCTATTCCTCAACCCTGTATCGCCAGCAGGAATCAGGCCGTGCATGGTTCTAGGACTCAATAA
AGAAGGTCAAATCATGAAGGGGAACAGAGTGAAGAAAACCAAGCCCTCATCTCATTTTGTACAAAACCT
ATTGAAGTGTGTATGTACAGAGAACCATCACTACAGAAATTGGAGAAAAGCAAGGACGCTCAAGGAAAA
GTTCCGGGAACACCCACCATGAATGGAGGCAAAGTCGTGAATCAAGATTCTACA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010199
Insert Size: 546 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).



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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:	<u>NM_010199.4, NP_034329.1</u>
RefSeq Size:	5408 bp
RefSeq ORF:	546 bp
Locus ID:	14167
UniProt ID:	<u>P61329</u>
Cytogenetics:	16 19.38 cM
Gene Summary:	<p>Involved in nervous system development and function. Promote neuronal excitability by elevating the voltage dependence of neuronal sodium channel SCN8A fast inactivation. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate 5' exon structure, differs in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. It encodes isoform b which is shorter and has a distinct N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>