

Product datasheet for **MC208480**

Fgf12 (NM_183064) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgf12 (NM_183064) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fgf12
Synonyms:	AV114868; B230343J05Rik; FGF-12; FHF-1; Fhf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208480 representing NM_183064 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCTGCGGCGATAGCCAGCTCCTTGATCCGGCAGAAGCGGCAGGCGAGGGAGTCCAACAGCGACCGGG
TGTCGGCTCCAAGCGCCGCTCCAGCCCCAGCAAAGACGGGCGCTCCCTGTGTGAGAGGCACGTCTCGG
GGTGTTCCAGCAAAGTGCGCTTTCGACGGCCGCAAGAGGCCAGTGAGGCGGAGACCAGAACCCAGCTG
AAAGGGATTGTGACAAGTTATTCAGCCAGCAGGGATATTTCTGCAGATGCATCCAGATGGTACCATTG
ATGGGACCAAGGACGAAACAGCGACTACACCCTCTCAATCTAATTCCTGTAGGACTGCGTGTGGTGGC
CATCCAAGGGTTAAAGCCAGCCTTTATGTGGCCATGAATGGAGAAGGCTATCTCTACAGCTCAGATGTT
TTTACCCAGAAATGCAAATTTAAGGAGTCTGTGTTTGAAGAACTACTATGTGATCTATTCTCAACCTGT
ATCGCCAGCAGGAATCAGGCCGTGCATGGTTTCTAGGACTCAATAAAGAAGGTCAAATCATGAAGGGGAA
CAGAGTGAAGAAAACCAAGCCCTCATCTCATTTGTACCAAAACCTATTGAAGTGTGTATGTACAGAGAA
CCATCACTACAGAAATTGGAGAAAAGCAAGGACGCTCAAGGAAAAGTTCGGGAACACCCACCATGAATG
GAGGCAAAGTCGTGAATCAAGATTCTACA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_183064
Insert Size:	732 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [NM_183064.5](#), [NP_898887.1](#)

RefSeq Size: 6250 bp

RefSeq ORF: 732 bp

Locus ID: 14167

UniProt ID: [P61329](#)

Cytogenetics: 16 19.38 cM

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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.