

Product datasheet for **MR228511**

Fgf12 (NM_001276419) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf12 (NM_001276419) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fgf12
Synonyms: AV114868; B230343J05Rik; FGF-12; FHF-1; Fhf1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228511 representing NM_001276419
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGATTCTTGCCTTTCTCTGAAGAAAGGAGTGCATATGCTGCAGTGCCTCTGTGGAAGGAGCCTGA
GGTCCAGCGACAGCCCAAGCGAACCCAGCTGAAAGGGATTGTGACAAGTTATTCAGCCAGCAGGGATA
TTTCTGCAGATGCATCCAGATGGTACCATTGATGGGACCAAGGACGAAAACAGCGACTACACCCTTTC
AATCTAATTCTGTAGGACTGCGTGTGGTGGCCATCCAAGGGTTAAAGCCAGCCTTTATGTGGCCATGA
ATGGAGAAGGCTATCTCTACAGCTCAGATGTTTTTACCCAGAATGCAAAATTAAGGAGTCTGTGTTTGA
AACTACTATGTGATCTATTCTCAACCCTGTATCGCCAGCAGGAATCAGGCCGTGCATGGTTTCTAGGA
CTCAATAAAGAAGGTCAAATCATGAAGGGGAACAGAGTGAAGAAAACCAAGCCCTCATCTCATTTTGTAC
CAAAACCTATTGAAGTGTGTATGTACAGAGAACCATCACTACACGAAATTGGAGAAAAGCAAGGACGCTC
AAGGAAAAGTTTCGGGAACACCCACCATGAATGGAGGCAAAGTCGTGAATCAAGATTCTACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228511 representing NM_001276419
Red=Cloning site Green=Tags(s)

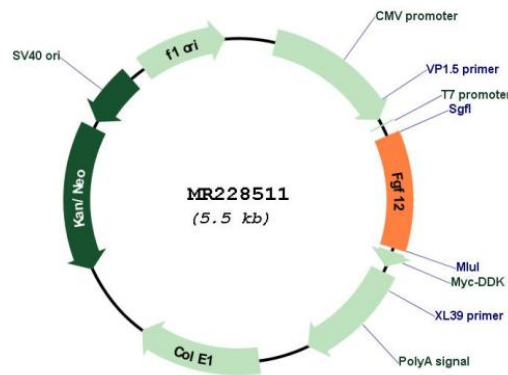
MKILALSLKKGVHMLQCLCGRSLRSDSPSEPQLKGIVTRLFSQQGYFLQMHPDGTIDGTDKENDSDYTLF
NLIPVGLRVVAIQVKASLYVAMNGEGYLYSSDVFTPECKFKESVFENYVYIYSSTLYRQQESGRAWFLG
LNKEGQIMKGNRVKKTTPSSHFPKPIEVCMYREPSLHEIGEKQGRSRKSSGTPTMNGGKVVNQDST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001276419

ORF Size: 621 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:

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: [NM_001276419.2](#), [NP_001263348.1](#)

RefSeq Size: 5544 bp

RefSeq ORF: 624 bp

Locus ID: 14167

UniProt ID: [P61329](#)

Cytogenetics: 16 19.38 cM

MW: 23.6 kDa

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]