

Product datasheet for **MR227920**

Fgf12 (NM_001276420) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf12 (NM_001276420) 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: >MR227920 representing NM_001276420
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGCGGCGATAGCCAGCTCCTTGATCCGGCAGAAGCGGCAGGCGAGGGAGTCCAACAGCGACCGGG
TGTCGGCCTCCAAGCGCCGCTCCAGCCCCAGCAAAGACGGGCGTCCCTGTGTGAGAGGCACGTCTCCGG
GGTGTTTCAGCAAAGTGCCTTCTGCAGCGCCGCAAGAGGCCAGTGAGGCGGAGACCAGAACCCAGCTG
AAAGGGATTGTGACAAGTTATTCAGCCAGCAGGGATATTTCTGCAGATGCATCCAGATGGTACCATTG
ATGGGACCAAGGACGAAAACAGCGACTACAGTAAGGAACGCCAGCTACTTGAATGCAGTGCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227920 representing NM_001276420
Red=Cloning site Green=Tags(s)

MAAAIASSLIRQKRQARESNSDRVSASKRRSSPSKDGRSLCERHVLGVFSKVRFCSGRKRPRVRRRPEPQL
KGIVTRLFSQQGYFLQMHPDGTIDGTDKENSYSKERQLLAMQCK

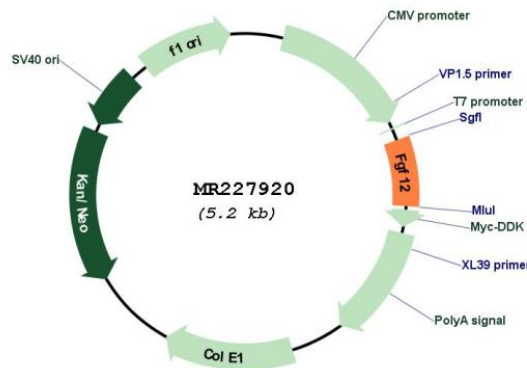
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001276420

ORF Size: 345 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:	<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_001276420.1</u> , <u>NP_001263349.1</u>
RefSeq Size:	2545 bp
RefSeq ORF:	348 bp
Locus ID:	14167
Cytogenetics:	16 19.38 cM
MW:	13.5 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]