

Product datasheet for **RC207584**

FGF11 (NM_004112) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FGF11 (NM_004112) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FGF11
Synonyms: FGF-11; FHF-3; FHF3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC207584 representing NM_004112
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCTGGCCAGTAGCCTGATCCGGCAGAAGCGGGAGTCCGCGAGCCCGGGGGCAGCCGGCCGG
TGTCGGCGCAGCGCGCGTGTGTCCCGCGGCACCAAGTCCCTTTGCCAGAAGCAGCTCCTCATCTGCT
GTCCAAGGTGCGACTGTGCGGGGGCGGCCCGCGCGCCGGACCGCGGCCGGAGCCTCAGCTCAAAGGC
ATCGTCAACAACTGTTCTGCCGCCAGGTTTCTACCTCCAGGCGAATCCCGACGGAAGCATCCAGGGCA
CCCCAGAGGATACCAGCTCCTTCAACCTTCAACCTGATCCCTGTGGGCTCCGTGTGGTCAACATCCA
GAGCGCCAAGCTGGGTCCTACTACATGGCCATGAATGCTGAGGGACTGCTCTACAGTTCGCCGATTTTACA
GCTGAGTGTGCTTTAAGGAGTGTGCTTTGAGAATTACTACGTCCTGTACGCCTCTGCTCTTACCGCC
AGCGTCGTTCTGGCCGGCCTGGTACCTCGGCCTGGACAAGGAGGGCCAGGTCATGAAGGGAAACCGAGT
TAAGAAGACCAAGGCAGCTGCCACTTTCTGCCAAGCTCCTGGAGGTGGCCATGTACCAGGAGCCTTCT
CTCCACAGTGTCCCGAGGCCTCCCTTCCAGTCCCCCTGCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC207584 representing NM_004112
 Red=Cloning site Green=Tags(s)

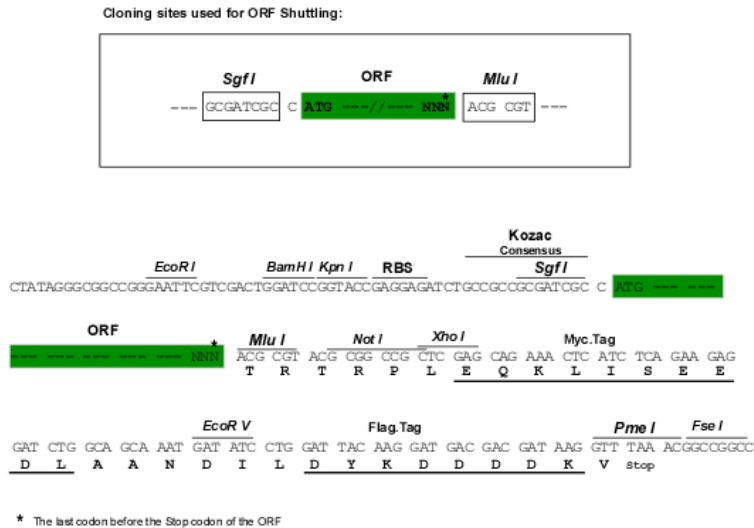
MAALASSLIRQKREVREPGGSRPVSAQRRVCPRGKSLCQKQLLILL SKVRLCGGRPARPDRGPEPQLKG
 IVTKLFCRQGFYLANPDGSIQGTPEDTSSFTHFNLI PVGLRVVTIQSAKLGHYMAMNAEGLLYSSPHFT
 AECRFKECVFENYYVLYASALYRQRRSGRAWYLGLDKEGQVMKGNRVKTKAAAHFLPKLLEVAMYQEPS
 LHSVPEASPSSPPAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

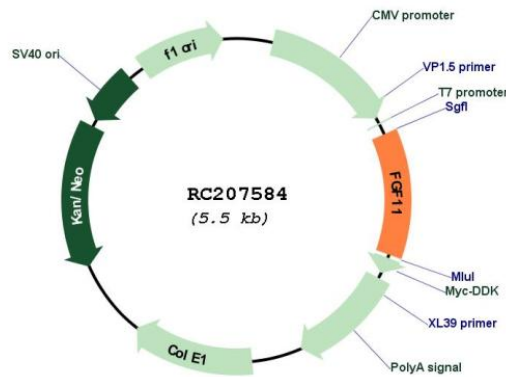
Chromatograms: https://cdn.origene.com/chromatograms/ja1446_d11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



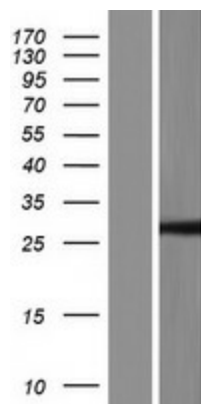
Plasmid Map:



ACCN: NM_004112

ORF Size: 675 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:	NM_004112.4
RefSeq Size:	2763 bp
RefSeq ORF:	678 bp
Locus ID:	2256
UniProt ID:	Q92914
Cytogenetics:	17p13.1
Domains:	FGF
Protein Families:	Secreted Protein
Protein Pathways:	MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton
MW:	24.8 kDa
Gene Summary:	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. The function of this gene has not yet been determined. The expression pattern of the mouse homolog implies a role in nervous system development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]

Product images:

Western blot validation of overexpression lysate (Cat# [LY418205]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207584 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).