

Product datasheet for **RC218080**

FGFR1OP2 (NM_015633) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGFR1OP2 (NM_015633) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FGFR1OP2
Synonyms:	HSPC123-like; WIT3.0
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218080 representing NM_015633 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTTGCACAATTGAGAAGGCACTTGCCGACGCTAAAGCTCTTGTTGAAAGATTAAGAGATCATGACG
ATGCAGCAGAATCTCTGATTGAGCAAACACAGCTCTCAACAAGCGAGTAGAAGCCATGAAACAGTATCA
GGAAGAAATTCAAGAATTAATGAAGTCGCGAGACATCGGCCACGGTCCACGTTAGTTATGGGAATCCAG
CAAGAAAACAGACAAATCAGAGAGTTGCAACAAGAAAACAAAGAATTACGTACATCTCTGGAAGAATC
AGTCGGCCTTGGAATTATAATGAGCAAGTACCGAGAACAATGTTTAGATTGCTAATGGCTAGCAAAAA
AGATGATCCGGGTATAATAATGAAGTTAAAAGAGCAGCACTCCAAGATTGACATGGTACATCGTAACAAG
TCCGAAGGATTCTTCCTTGATGCATCTCGACACATCCTTGAAGCACCTCAACATGGACTGGAGAGAAGGC
ACTTGGAAGCAAATCAGAATGAACTGCAAGCACATGTTGACCAGATAACTGAAATGGCAGCAGTAATGAG
GAAAGCCATTGAAATTGACGAGCAACAGGGTTGCAAGGAACAAGAACGAATATTTCAACTTGAACAAGAA
AACAAAGGCTTGAGAGAGATCCTTCAAATAACTCGAGAATCATTTTTGAACCTAAGGAAAGATGATGCGT
CGGAAAGTACTTCTTTGTCAGCATTAGTGACCAACAGTGATTTGAGTCTGAGGAAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC218080 representing NM_015633
 Red=Cloning site Green=Tags(s)

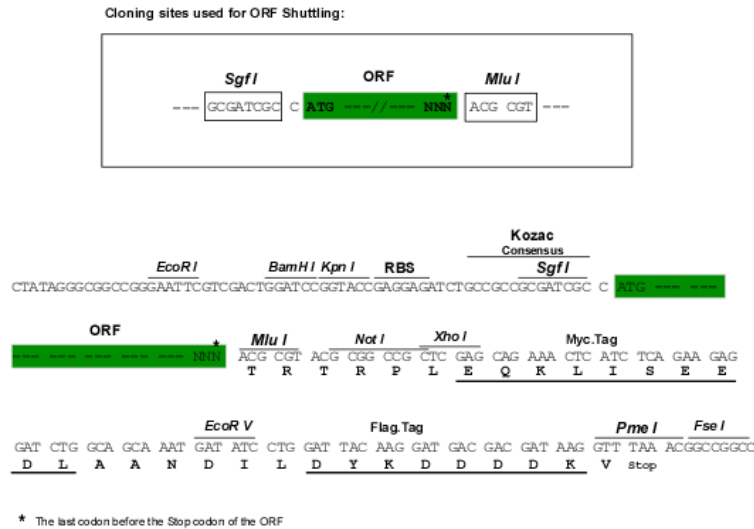
MSCTIEKALADAKALVERLRDHDAAESLIEQTTALNKRVEAMKQYQEEIQELNEVARHRPRSTLVMGIQ
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 SEGFFLDASRHILEAPQHGLERRHLEANQNELQAHVDQITEMAAYMRKAIEIDEQQGCKEQERIFQLEQE
 NKGLREILQITRESFLNLRKDDASESTLSALVTNSDLRLKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8015_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015633

ORF Size: 759 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_015633.3](#)

RefSeq Size: 2306 bp

RefSeq ORF: 762 bp

Locus ID: 26127

UniProt ID: [Q9NVK5](#)

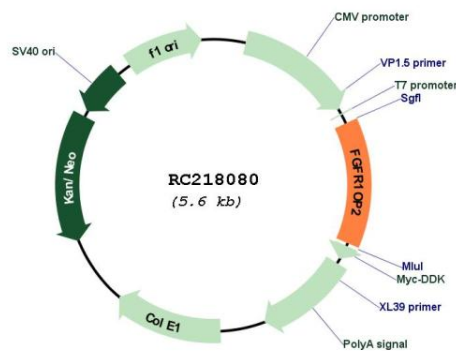
Cytogenetics: 12p11.23

Protein Families: Druggable Genome

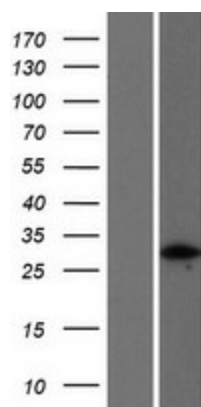
MW: 29.2 kDa

Gene Summary: May be involved in wound healing pathway.[UniProtKB/Swiss-Prot Function]

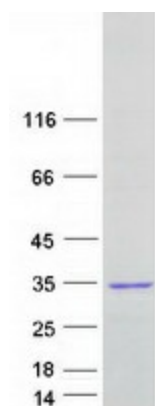
Product images:



Circular map for RC218080



Western blot validation of overexpression lysate (Cat# [LY414429]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218080 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FGFR1OP2 protein (Cat# [TP318080]). The protein was produced from HEK293T cells transfected with FGFR1OP2 cDNA clone (Cat# RC218080) using MegaTran 2.0 (Cat# [TT210002]).