

Product datasheet for **RR203727**

Fgr (NM_024145) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgr (NM_024145) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fgr
Synonyms:	p55-Fgr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR203727 representing NM_024145
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCTGTGTGTCTGCAAGAAGTTAGAGCCTGCACCCAAGGAGGATGTTGGCCTGGAAGGGGACTTCC
 GGAGCCAAGGCGCTGAAGAACGCTATTACCTGACCCACTCAAGGCCGGTCTTCGTCATCTCGCCTCA
 GCCCATCAGCCCTGCTTTCCCTTAATGTTGGCAACATAAGAAGCGTCTCTGGGACGGGAGTGACCATATTC
 GTCGCCCTGTATGACTATGAGGCCAGGACAGGGGATGACCTCACCTTCACCAAAGGCGAGAAGTTCCACA
 TCCTGAACAATACGGAGTATGACTGGTGGGAGGCTAGGTCCTGAGCTCCGGACGCACGGGCTATGTTCC
 CAGCAACTATGTGGCTCCCGTGGATTCCATCCAGGCTGAAGAGTGGTACTTCGGAAAGATCAGCAGAAAG
 GATGCAGAGAGGCAGCTTCTCTCCGATGGCAACCCTCAAGGGGCTTTCTCATTCCGGAAAGCGAGACCA
 CCAAAGGTGCCTACTCCCTGTCCATCCGTGACTGGGACCAGAACAGAGGGCACCACATAAAGCATTACAA
 GATCCGAAAGCTGGACATGGGTGGCTACTACATACCACGCGGGCCAGTTCGAATCCGTGCAGGACCTG
 GTGCGGCACTACATGGAAGTGAATGACGGTCTATGCTACTTGCTACCCGACCCTGTATGGTCATGAAGC
 CCCAGACTCTAGGCTGGCTAAGGATGCCTGGGAGATCGACCGTAACTCCATAGCACTTGACCGCAGGCT
 GGGCACC GGCTGCTTTGGAGACGTGTGGCTGGGCACGTGGAAGTGTAGCACAAGGTGGCAGTGA AAAACG
 CTGAAGCCAGGCACCATGTGCGCCGAAGGCCTTCTGGAGGAGGCACAGATCATGAAACTGCTGAGGCACG
 ACAAGCTGGTGCAGCTGTACGCGGTGGTGTGAGAGGAACCCATTTATATTGTGACAGAGTTCATGTGCTA
 TGGTAGCTTGCTGGATTTCTAAAGGATCGAAAGGTCACAACCTGATGCTGCCCAATCTAGTGGACATG
 GCTGCCAGGTAGCAGAGGGCATGGCCTACATGGAGCGCATGAACTATATCCACCGAGACCTGAGAGCAG
 CCAACATCCTGGTGGGGGAACATCTAATATGCAAGATCGCTGACTTTGGGTTGGCAGCCCTCATATGGA
 CGATGAGTACAACCCCAACAAGGAACCAAGTTTCCCATCAAGTGGACAGCCCGAGAGGCTGCTCTCTTT
 GGCAGATTCACTGTCAAATCAGACGTGTGGTCTTTGGGATTCTGCTCACTGAACTGATACCAAGGGCA
 GAGTTCCATACCCAGGTATGAACAACCGGGAAGTGTGGAACAGGTAGAGCACGGCTACCACATGCCATG
 CCCTCCGGGATGCCAGTATCCCTGTATGAGGTGATGGAGCAGACCTGGCGTCTGGATCCAGAGGAGAGG
 CCCACCTTTGAGTACCTGCAGTCTTCTGGAAGACTATTTACCTCCACAGAACACAGTATCAGCCCG
 GAGACCAGACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203727 representing NM_024145
 Red=Cloning site Green=Tags(s)

MGCVFCKKLEPAPKEDVGLGDFRSQGAERYYPDPTQGRSSSISPQIPISPAFLNVGNIRSVSGTGVTFI
 VALYDYEARTGDDLTFKGEKFHILNNEYDWEARSLSSGRTGYVPSNYVAPVDSIQAEWYFGKISRK
 DAERQLLSDGNPQGAFLIRESETTKGAYSLSIRDWDQNRGDHIKHYKIRKLDMGGYYITTRAQFESVQDL
 VRHYMEVNDGLCYLLTAPCMVMKPQTLGLAKDAWEIDRNSIALDRRLGTGCFGDVWLTWNCSTKVAVKT
 LKPGTMSPKAFLEEAQIMKLLRHDKLVQLYAVVSEEPYIYVTEFMCYGSLLDFLKD RKGHNLMLPNLVDM
 AAQVAEGMAYMERMNYIHRDLRAANILVGEHLICKIADFLARLIVDDEYNPQQGTFPIKWTAPEAALF
 GRFTVKSDVWSFGILLTELITKGRVPYPMNREVLEQVEHGYHMPCPPGCPVSLYEVMEQWRLDPEER
 PTFEYLQSFLEDYFTSTEPQYQPGDQT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

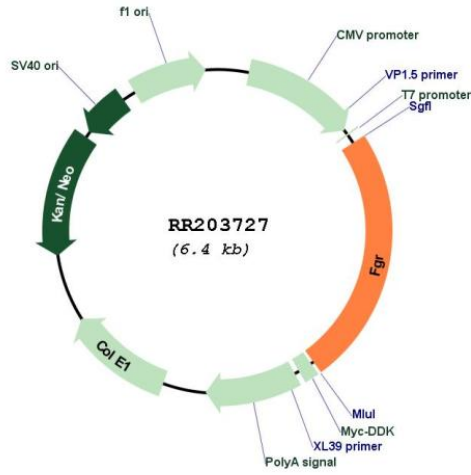
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_024145
ORF Size:	1551 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_024145.2 , NP_077059.2
RefSeq Size:	2535 bp
RefSeq ORF:	1554 bp
Locus ID:	79113
UniProt ID:	Q6P6U0
Cytogenetics:	5q36
MW:	58.8 kDa
Gene Summary:	phosphorylates phospholipase D2 (PLD2); plays a role in mast cell activation [RGD, Feb 2006]