

Product datasheet for **RR204097**

Frk (NM_024368) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Frk (NM_024368) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Frk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR204097 representing NM_024368
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCAGCGTCTGTATGAGCCTTTGGGCATACCTTCAGCCTTTTCTCCCCTGCTGGTCCCAAGAAGCAG
 ACAAAATCAGTGGTGATTGAGAATCCAGGGCCTACTGTCCTCCAGAGCCAATCGAAGCCAAGGCCAGTA
 TTTTGTGGCTCTGTTGATTACGAAGCTCGTACTGCAGAGGACCTGAGCTTCCATGCCGGCGACAAGCTC
 CAAGTCTTGACACTTCTCATGAGGGCTGGTGGTTGGCCAGACATTTGGAAAAGAAGGGACCCGGCTTAG
 GTCAGCAGCTGCAGGGCTACATTCCTTCCAATTACGTGGCAGAGGACCGGAGTCTCCAGGCAGAACCCTG
 GTTTTTCGGAGCAATCAAAGAGCAGATGCAGAAAAGCAACTTCTGTATTCAGAAAACCAGACGGCGCC
 TTTCTAATCAGAGAGAGTGAGAGCCAGAAGGGTACTTCTCCCTCTCAGTTTTAGATGAAGGTGTTGTGA
 AACACTACAGGATAAGAAGGTTGGATGAAGGTGGCTTCTTCTCACCAGGAGAAAACTTTTTCAACCTT
 GAATGAATTTGTGAAGTACTACACCACAACAAGTATGGGCTGTGTGCAAGCTGGAGAAGCCATGCTTA
 AAGATTCAGGTACCGACCCCTTTTGATTTGTCATATAAACTGTGGACCAAGTGGGAGATAGACCCGAAC
 CCATACAGCTTCTCAAGCGACTGGGATCTGGTCAAGTTGGAGAAGTTGGGAAGGTCTGTGGAATAATAC
 CACTCCAGTGGCTGTGAAAACGTTAAAACAGGTTCAATGGATCCAAATGACTTCTCAGGGAGGCACAG
 ATAATGAAGAGCCTAAGACACCCCAAGCTCATCCAGCTCTATGCTGTTTGACATTAGAAGATCCAAATTT
 ATATTATTACAGAATTGATGAGACATGGAAGTCTGCAAGAATATCTCCAAAATGATGGTGGGTCGAAAAT
 CCGTTTGACTCAACAGGTGGACATGGCTGCACAGGTAGCTTCTGGAATGGCCTATTTGGAGTCCCAGAAC
 TATATCCACAGAGATCTGGCTGCAAGAAATGTCCTTGTGGTGAACATAATATCTATAAAGTAGCAGATT
 TTGGACTTGCAAGAGTTTTTAAGGTGGATAATGAAGACATCTATGAATCTAAACACGAAAATAAGCTGCC
 AGTGAAGTGGACTGCACCCGAAGCCATTGTAATAAATTCAGCATTAAAGTCTGATGTGTGGTCTTTT
 GGAATCTGCTCTATGAAATCATTACTTATGGCAAAATGCCTTACAGCGGGATGACAGGTGCTCAAGTAA
 TTCATATGTTGGGTCAAACTACAGACTACCACAGCCATCTAACTGTCCAGAGCAATTCTATAGCATCAT
 GATGGAATGCTGGAATGTAGAGCCCAAGCAACGACCAACGTTTCGAGACCTGCACCTGAAACTTGAAGAC
 TACTTTGAACCAGACTCTTCTATTCTGATACAAACAACCTCATAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204097 representing NM_024368
 Red=Cloning site Green=Tags(s)

MGSVMRLWAYLQPFLLPCWSQEADKSVVIENPGAYCPPEANRSQGYFVALFDYEARTAEDLSFHAGDKL
 QVLDTSHEGWLLARHLEKKGPLGQQLQGYIPSNYVAEDRSLQAEPWFFGAIKRADAQKLLYSENQTGA
 FLIRESESQKGFSLSVLDEGVVKHYRIRRLDEGGFFLTRRKTFFSTLNEFVNYTTTSDGLCVKLEKPC
 KIQVPTPFDLSYKTVDQWEIDRNSIQLKRLGSGQFGEVWEGLWNNTTPVAVKTLKPGSMDPNDFLREAQ
 IMKSLRHPKLIQLYAVCTLEDPIYIITELMRHGSLLQEYLQNDGGSKIRLTQQVDMAAQVAVSVMAYLESQ
 YIHRDLAARNVLVGEHNIYKVADFGLARVFKVDNEDIYESKHEIKLPVKWTAPEAIRTNKFSIKSDVWSF
 GILLYEIITYGKMPYSGMTGAQVIHMLGQNYRLPQPSNCPQFYSIMMECWNVEPKQRPTFETLHWKLED
 YFEPDSSYSDTNFIN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_024368

ORF Size: 1518 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_024368.1](#), [NP_077344.1](#)
RefSeq Size: 4590 bp

RefSeq ORF: 1521 bp

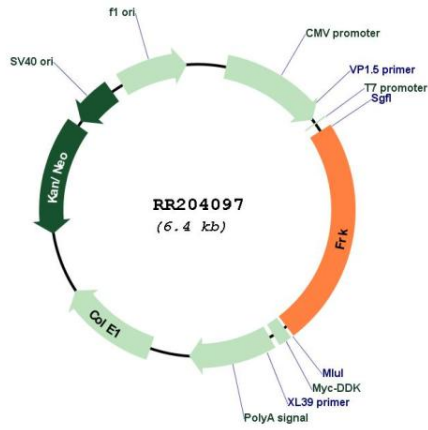
Locus ID: 79209

UniProt ID: [Q62662](#)
Cytogenetics: 20q12

MW: 58.2 kDa

Gene Summary: plays a role in the growth/differentiation of gut columnar epithelial cells [RGD, Feb 2006]

Product images:



Circular map for RR204097