

Product datasheet for **RR213975**

Fbxo42 (NM_001108691) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo42 (NM_001108691) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxo42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR213975 representing NM_001108691 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGCTCCTCAGACAGTGAAGATGACAGTTTCATGGCCGTGGACCAAGAAGAACTGCACTGGAAG
 GGACAATGGAGCAAGATGAGGACCCACACCCAGTATTGGAGGTTGAGGAAACAAGACATAATAGGTCCAT
 GTCTGAGCTGCCAGAAGAGGTTTTGGAGTATATCCTGTCCTTCTCTCACCATATCAGGAACACAAAACC
 GCAGCTCTGGTCTGCAAGCAGTGGTATCGGCTTATCAAAGGTGTAGCCCACCAAGTGTACCATGGTTTCA
 TGAAGGCTGTCCAGGAAGGAAACATTAGTGGGAGAGCCGAACCTACCTTATCCCGAACCCCATCAC
 TCAGCGCTTCTCCACAGTGCATGCTATTACGATGCCAATCAGTCTATGTATGTCTTTGGAGGCTGTACC
 CAGAGCAGCTGCAATGCTGCCTTCAATGACCTCTGGAGGCTCGACCTAAATAGCAAAGAGTGGATTTCGAC
 CGTTGGCCTCAGGGTCTATCCTTCCCCAAAGCTGGGGCCACTCTGGTCGTGTACAAGGACTTGCTAGT
 GCTATTTGGTGGCTGGACAAGGCCAAGTCCCTATCCCTTACACCAACCAGAGAGATTCTTTGATGAAATT
 CACACATACTCACCATCTAAAACTGGTGAAGTGCATTGTACCAACACACGGGCCTCCTCTATGGCTG
 GCCATTCTCTGTGTGATAGGTGACAAAATGATTGTCTCGGTGGCTCCTTAGGATCCCGGCAGATGAG
 CAATGAAGTCTGGTCTTGACCTGGAGCAGTGGGCGTGGTCCAAGCCGAACATCTTGCCCCAGCCCT
 CACCCCCGAGGTGGCCAGTCTCAGATTGTATAGATGATGCAACCATCCTGATCCTTGGTGGCTGTGGCG
 GTCCCAACGCTATGGTGTATCCAGCCTGCCGGGTGGGACAGTGTGTGGTGGTCTTCAGCCAGGCGCCCA
 GCGGGAGAGCGCCCTCAGCCCCAGTTTGAAGTCTCGCCCATCACCTATCAGTGCCACTCTCCAGCCCT
 GTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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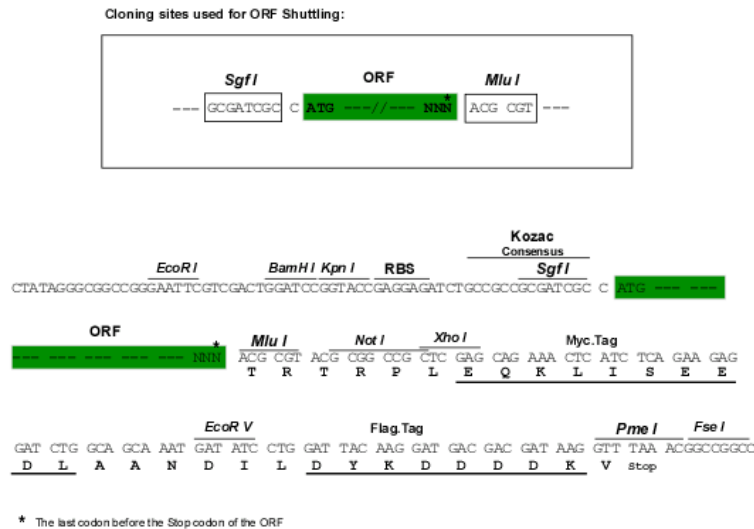
Protein Sequence: >RR213975 representing NM_001108691
 Red=Cloning site Green=Tags(s)

MASSSDSEDDSFMAVDQEETALEGTMEQDEDPHPVLEVEETRHNRSMSSELPVEVLEYILSFLSPYQEHKT
 AALVCKQWYRLIKGVAHQCYHGFMAVQEGNIQWESRTYPYGPITQRFSHSACYDANQSMYVFGGCT
 QSSCNAAFNDLWRLDLNSKEWIRPLASGSYSPKAGATLVVYKDLLVLFGGWTRSPYPLHQPERFFDEI
 HTYSPSKNWNVICVTTTHGPPPMAGHSSCVIGDKMIVFGGSLGSRQMSNEVWLDLEQWAWSKPNISGSPSP
 HPRGGQSQIVDDATILILGGCGPNAMVSSSLPGGTVCGLQPGAQRESAPQPQFELSPITYQCHSSSP
 GS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001108691

ORF Size: 1056 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_001108691.1, NP_001102161.1

RefSeq Size: 2601 bp

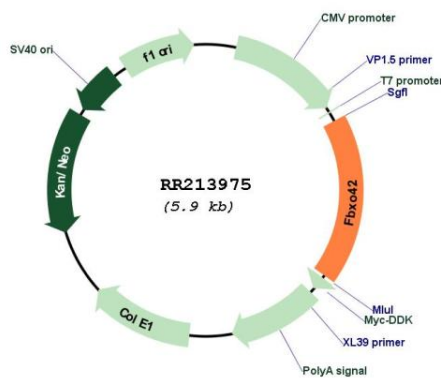
RefSeq ORF: 1059 bp

Locus ID: 362646

Cytogenetics: 5q36

MW: 38.9 kDa

Product images:



Circular map for RR213975