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Product datasheet for MR210830

Fbxo10 (BC094565) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo10 (BC094565) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxo10
Synonyms:	FBX10; Gm634
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR210830 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAGCCTCTATGATCGAATCGTGCTTTTCCCAGGTGTGTACGAGGAGCAAGGGGAAATCATCCTGA
AGGTGCCGGTGGAGATTGTGGGCCAAGGGAAGTTGGGTGAGGTGGCCCTGCTTGCCAGCATTGACCAGCA
CTGCTCAACCACACGTGTGTGCAATCTTGTCTTCATGCCAGCCTGGTTCTCACCAATCATGTATAAGACC
ACATCAGGTCACATCCAGTTTGACAACTGCAACTTTGAGAACGGACACATCCAGGTCCATGGTCCAGGTA
CCTGCCAAGTGAAGTTTTGTACCTTCAAAAACACTCATGTCTTTTTGCACAACGTGCCCTTATGCATGTT
GGAAAACTGTGAATTTGTGGGCAGCGAAAACAACTGTGTGACTGTGGAGGGTCACCCGTCGGCGGATAAG
AACTGGGCCTACAAGTACCTGCTGGGCCTTATCAAGTCCTCACCCATCTTTCTCCCCGCAGAGGACCATG
ACTTTTTAATGTCCTTGGACTTAGAGAGTCGGGACCAGGCCTGGAGCCCAAGGACCTGTGACATTGTGAT
CGAGGGCAGCCAGAGTCCTACAAGCCCAGTCTGTAGCTCTCCCAAGCCAGGCTCCAAGGAGGCAGAGGTG
GGCAGCGATGGGGAGAGAGTGGCCCAGACTCCAGACAGCAGTGACGGTGGCCTGAGCCCCAGCGGGGAGG
ATGAGGATGACGAACAGCTCACATACAGACTGTCCTACCAGGTGCAGGGCCCACGCCCTGTCCTGGGGGG
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CATCAGGAGCTGCAGAAAGACAAGGAAGCCATGGCGCTAGCCAGCTCTGTGCAGGGCTGCCTTATCCGCA
AGTGCCTCTTCCGGGATGGGAAGGGCGGCGTCTTCGTCTGCTCTTATGGCCGTGCCAAGATGGAAGGAAA
CGTCTTTCGGAACCTGACTTACGCGGTGCGGTGTATACACAATAGCAAGATCGTCATGCTCAGGAATGAT
ATTTACCGCTGCCGGGCATCAGGCATCTTTCTTCGACTGGAGGGTGGAGGCTTGATTGCTGGTAACAACA
TTTACCACAATGCAGAGGCTGGTGTGGACATTCGGAAGAAATCTAATCCACTCATCCTGTGTAACCAGAT
CCACCACGGTCTTCGATCTGGCATTGTTGTCCTTGGCAATGGGAAAGGCGTCATCAGGAACAACCAAATC
TTTTCAAATAAGGAGGCTGGCATTTATATCCTGTACCATGGAAATCCAATTGTGAGTGGAAACCACATCT
TCAAGGGGCGCGCAGCTGGCATAGCAGTGAACGAGAATGGCAAAGGCCTCATCACAGAAAACGTCATCCG
TGAGAATCAATGGGGAGGTGTAGACATCCGCCGCGGCGGCGTCCCGATCCTCAGGAGCAACCTCATCTGC
TTTGGCTACTCCGACGGCGTGGTTGTGGGGGATGAAGGCAAAGGACTGATAGAGGGGAACACCATCTATG
CTAACAAAGGATGTGGCGTGTGGATGATGTCCTCTAGCCTGCCCCACGTCACCAGCAACCATGTGAGCTA
CAATGGCCTGTATGGAGTGGCAGTGTTCAGCCAGAAAGATGGCGAGTTCCCTGGAGGCCACGGGGCCCAG
GAGAACTTCAGTGAGGACGGAGATGCCATCCTCTGGGAGGCGGAGCTGGAGAAGGAGGATGACCCACTGC
GCCGGCCCATCACCGTAGCGCTCGTGGAGTCCAACAGTATTAACCACAATGGAGCATCAGGAATCTTTGT
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GTTCAGAGCAGCCAGCTCACACGGGTGGCCAACAACAGCATCTCCTGCAATCGCCAGAGTGGGGTCAAGG
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GATCACAAACAACAGAGAGTGCATCATGCAAAACAACAAGTTCCTTGTCTTCAAGAAGAAGTCTGATACC
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GTGGGCATAAGGTGACAGCCATGGCAACCAGGATCACAGCCCGTGTGGAAGGTGGCTACCATAGCAACCG
CAGCATCTTCTGTACCATCCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

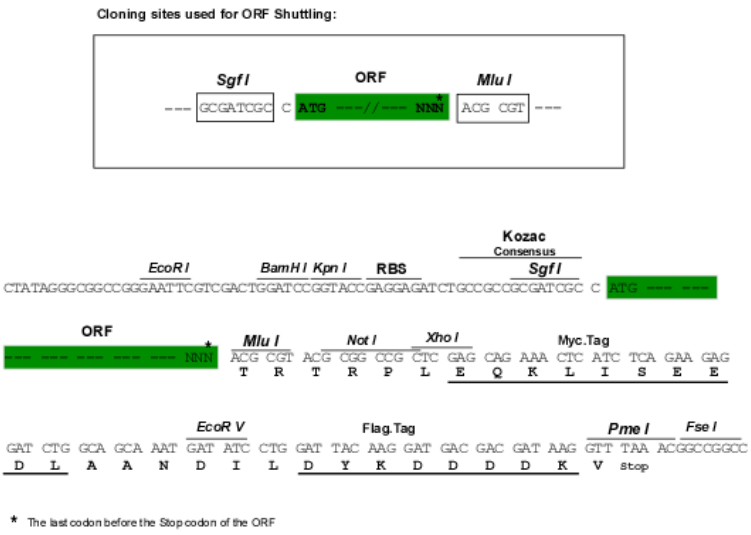
>MR210830 protein sequence
Red=Cloning site Green=Tags(s)

MASLYDRIVLFPGVYEEQGEIILKVPVEIVGQGKLGEVALLASIDQHCSTTRVCNLVFMPAWFSPIMYKT
TSGHIQFDNCNFENGHIQVHGPGTCQVKFCTFKNTHVFLHNVPLCMLENCEFVGSENNCVTVEGHPSADK
NWAYKYLLGLIKSSPIFLPAEDHDFLMSLDLESRDQAWSPRTCDIVIEGSQSPTSPVCSSPKPGSKEAEV
GSDGERVAQTPDSSDGGLSPSGEDEDDEQLTYRLSYQVQGPRPVLGGSFLGPPLPGASIQLPSCLVLNSL
HQELQKDKEAMALASSVQGCLIRKCLFRDGKGGVFVCSYGRAKMEGNVFRNLTYAVRCIHNSKIVMLRND
IYRCRASGIFLRLEGGGLIAGNNIYHNAEAGVDIRKKSNPLILCNQIHHGLRSGIVVLGNGKGVIRNNQI
FSNKEAGIYILYHGNPIVSGNHIFKGRAAGIAVNENGKGLITENVIRENQWGGVDIRRGGVPILRSNLIC
FGYSDGVVVGDEGKGLIEGNTIYANKGCGVWMMSSSLPHVTSNHVSYNGLYGVAVFSQKDGEFPGGHGAQ
ENFSEDGDAILWEAELEKEDDPLRRPITVALVESNSINHNGASGIFVQSSEALQVVANVIHANGDRGITI
VQSSQLTRVANNSISCNRQSGVKVEFQCKVELRGNGIYDNRGHGIITKGDGTAVVENDIIGNRGSGLQLL
PRSDTKVLKNRIHSFRAYGIAVRGRVKALVQENIIFQGKTNKTIFQQITNNRECIMQNNKFLVFKKKSDT
WRLVNPPARPHLENSLRGSSAAHSGHKVTAMATRITARVEGGYHSNRSIFCTIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC094565

ORF Size: 2472 bp

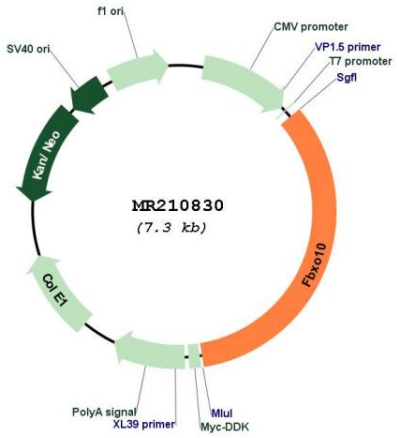
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	BC094565, AAH94565
RefSeq Size:	4428 bp
RefSeq ORF:	2474 bp
Locus ID:	269529
Cytogenetics:	4 B1
MW:	89.9 kDa
Gene Summary:	Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. The SCF(FBXO10) complex mediates ubiquitination and degradation of BCL2, an antiapoptotic protein, thereby playing a role in apoptosis by controlling the stability of BCL2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210830