

## Product datasheet for **MR210247**

### **Fbxo42 (NM\_172518) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fbxo42 (NM_172518) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxo42
Synonyms:	6720460I06Rik; mKIAA1332
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR210247 representing NM\_172518  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCAGCTCCTCGACAGTGAAGATGACAGTGTGATGGCCGTGGACCAAGAAGAACTGCACTGGAAG  
 GGACAATGGAGCAAGATGAGGACCCACCCAGTGTGGAGTTGAGGAAACAAGACATAATAGGTCCAT  
 GTCTGAGCTGCCGGAAGAGGTTTTGGAGTATATTCTGTCCTTCTTTACCATACCGAACAACAAGACT  
 GCAGCTCTGGTCTGCAAACAGTGGTATCGACTTATCAAAGGTGTGGCCACCAAGTGTACCATGGCTTCA  
 TGAAGGCTGTCCAGGAAGGAAACATTCACTGGGAGAGCCGACTTACCCTTATCCGGAAACCCCTATCAC  
 TCAGCGCTTCTCCACAGTGCCTGCTATTATGATGCCAATCAGTCTATGTATGCTTTGGTGGCTGTACG  
 CAGAGCAGTTGCAATGCTGCCTCAATGACCTCTGGAGGCTAGACCTAAATAGCAAGGAGTGGATTGAC  
 CATTGGCCTCAGGTCTATCCTTCCCCAAAGCTGGGGCCACTCTGGTCGTGTACAAGGACTTGCTAGT  
 GCTATTTGGTGGCTGGACAAGGCCAAGTCCCTATCCCTTACACCAGCCAGAGAGATTCTTTGATGAAATT  
 CACACGACTCGCCGTCTAAAACTGGTGGAACTGCATTGTCACCACGCATGGGCCCTCTCCCATGGCTG  
 GCCATTCCTCCTGTGTGATAGGTGATAAAATGATTGCTTCGGTGGCTCCTTAGGATCCCGGCAGATGAG  
 CAATGAAGTCTGGGTCTGGACCTGGAGCAGTGGGCGTGGTCCAAGCCGAACATCTCTGGCCCCAGTCCA  
 CACCCTCGAGGTGGCCAGTCTCAGATTGTTATAGATGATACAACCTTTCTGATCCTTGGCGGGTGTGGCG  
 GTCCCAATGCGCTGTTCAAAGATGCCTGGCTGCTGCACATGCACCAGGTCCCTGGGCTGGCAGCCACT  
 CAAGGTAGAAAATGAAGACCATGGTCCCCGGAGCTATGGTGTATCCAGCCTGCCGGTGGGACAGTGT  
 GTGGTGGTCTTCAGCCAGGCGCAAGCGGGAGAGCGCCCTCAGCCCCAGTTTGAACCTTCGCCCCGTAC  
 CTATCAGTGCCTCCTCCAGCCCTGGTTCCTGAGACCCGAGAGTACCGCTCCCAGTCCCAGTGGAGGAG  
 TATGGACGAAGCGCCCTGTGTTAATGGCCGCTGGGGAACACTGAGGCCAGGGCTCAAAGGCAGACTCCC  
 TCGGGTCCCAGGGAAGGAGCCTCTCCCAAGCCAGAGGAGATGGCTCTCCATTCTCAATGGTGGAAATT  
 TGTCTCCAGGGACAGTAGCTGTCCGGGGTCTTCTTAGACAGCCCGTACAGGTCGTGCTCCAAGCAC  
 TCCATCTGCCTCTGACGGCTACGACCTAAAAGTAGGACTTTCTTAGCTCCTCGACGAGGGTCTTTACCA  
 GATCAGAAGGACCTGAGGTTAAGTTCATTGATCTGAATTGGGACCTGAAGTCTGCTTCCAGTAGTAGTC  
 ACGTGGATAGTATAGACAACAGGACAGTGCAGGGAGTGTGAGACACCCTCCAGAACAGACCAATGGTGT  
 TCACACCCACCACATGTGGCCAGTGCCTTGCAGGGGCTGTATCTCCCGGTGCCCTGCGTCGGAGTTG  
 GAAGCCATCAAAGCGATGTCATCAAAGGCCCTCAGCCTCGGCAGCACTAAGTCTCCTCTTGGGTCTT  
 CTCCAAGCTCCCCTGGGAGTCAAGCCTGAGCAGTGGAGAAACAGTGCCCAACTCCCAGCCAGGACCAGC  
 CCAAGGAGATGGTCATTCTTACCCCGATTGCTCGGCGCTGGGCCACCACCCTCCACAGTCCCTTAAT  
 GTGGGTAACCCCTGTACCAGAGTATGAACTGCAAACCTATGCAGATGTATGTGCTAGACATTAAGACA  
 CCAAGGAGAAGGGCCGAGTCAAGTGGAAAGTGTTCACAAGCAGCTCGGTGGTCCGGCCCTCCTGAGACCAG  
 CCTGCACACGGTGGTGCAGGGCCGAGGCGAGCTCATCGTATTTGGAGGGCTCATGGACAAGAAGCAGAAT  
 GTGAAGTACTACCAAGACAACGCCTTGTACTTTGTGCGCGCAAGAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210247 representing NM\_172518  
 Red=Cloning site Green=Tags(s)

MASSSDSEDDSVMAVDQEETALEGTMEQDEDPHPVLEVEETRHNRSMSLPEEVLEYILSFLSPYQEHT  
 AALVCKQWYRLIKGVAHQCYHGFMKAVQEGNIQWESRTYPYGPITQRFSHSACYDANQSMYVFGCT  
 QSSCNAAFNDLWRLDLNSKEWIRPLASGSYSPKAGATLVVYKDLLVLFGGWTRPSYPLHQPERFFDEI  
 HTYSPSKNWNVICVTTTHGPPPMAGHSSCVIGDKMIVFGGSLGSRQMSNEVWLDLEQAWSPNISGSPSP  
 HPRGGQSQIVIDDITLLILGGCGPNALFKDAWLLHMHGPGWAWQPLKVENEDHGAPELWCHPACRVGQC  
 VVVSQAPSGRAPLSPSLNSRSPISATPPALVPETREYRSQSPVRSMDAEPVNGRWGTLRPRARQTP  
 SGSREGSLSPARGDGPILNGGNLSPGTVAVGGASLDSPVQVSPSTPSASDGYDLKVGLSLAPRRGSLP  
 DQKDLRLSSIDLNWLKASSSSHVDSIDNRTVAGSVRHPPEQTNGVHTPPHVASALAGAVSPGALRRSL  
 EAIKAMSSKGPSASAALSPPLGSSPSPGSQLSSGETVPNSRPGPAQGDGHSPLPIARRLGHPPQSLN  
 VGKPLYQSMNCKPMQMYLVDIKDTEKGRVKWVFTSSSVVGGPPETSLHTVVQGRGELIVFGGLMDKKQN  
 VKYYPKTNALYFVRAKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9040\\_b11.zip](https://cdn.origene.com/chromatograms/mm9040_b11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_172518

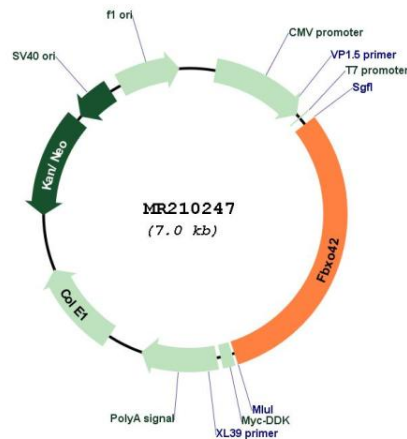
**ORF Size:** 2151 bp

**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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_172518.3, NP_766106.2</u>
<b>RefSeq Size:</b>	5943 bp
<b>RefSeq ORF:</b>	2154 bp
<b>Locus ID:</b>	213499
<b>UniProt ID:</b>	<u>Q6PDJ6</u>
<b>Cytogenetics:</b>	4 D3
<b>MW:</b>	78.2 kDa
<b>Gene Summary:</b>	Substrate-recognition component of some SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. Specifically recognizes p53/TP53, promoting its ubiquitination and degradation (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR210247