

Product datasheet for **MR207690**

Fbxo3 (NM_212433) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Fbxo3
Synonyms:	1200002G09Rik; 1700026K02Rik; AI046358; Fba
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR207690 representing NM_212433
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCTGCCGTAGAGCCGAGACGGGGCTGCTGACCTGGAGTCGCTGCCACCGACCCTCTGCTGCTCA
 TCTTATCCTTCGTGGACTACAGGGACCTAATCAATTGTTGCTATGTTAGTCGAAGACTTAGCCAGCTTTC
 AACTCATGATCCACTGTGGAGAAGACATTGCAAAAAAATACTGGCTGATATCTGAGGAAGAAAAAGCCGGG
 AAGAGTCAGTGCTGGAGATCCCTCTTCATAGAGACCTACTCAGACGTGGGAGGTACATCGACCATTACG
 CCGCCATTAAGAGGCGTGGCGTGACCTCAAGAAGTACTTGGAGCCAGGTGTCTCGGATGGTTTTATC
 TCTGAAAGAGGGCGCACGTGAGGAAGACCTGGATGCTGTCGAAGCTCAGATCGGTTGCAAGCTCCCGGAT
 GATTATCGCTGTTTCATACCGGATCCACAACGGGCAAAAGTTAGTGGTGCCGGGGTTGCTGGGAAGTATGG
 CACTGTCCAATCACTACCGCTCTGAAGATCTACTAGATGTTGATACTGCTGCAGGAGGATTCAGCAGAG
 ACAGGGACTGAAATACTGTCTCCCTTTAACCTTTGCATACACACCGGCTTGAGTCAGTACATAGCTGTG
 GAGGCTGCAGAGGGCGGAATAAGAACGAAGTGTCTACCAATGTCCAGACCAATGGCTCGGAATCCTG
 CTGCTATTGACATGTTTATCATAGGTGCTACTTTTACCGACTGGTTTACATCCTATGTCAACAATGTTGT
 ATCAGGTGGTTTCCCATCATCAGAGACCAGATTTTCAGATATATTCATGATCCAGAATGTGTGGCAACA
 ACTGGAGATATTACAGTTTCAGTGTCCACATCGTTTCTGCCAGAACTCAGCTCTGTGCATCCGCCACACT
 ATTTCTTCACATACCGAATCAGGATTGAAATGTCAAGGGATGCTCTTCTGAGAAGGCTGTGAGTTGGA
 CAGTCGCTACTGGAGGATAACAAACGCTAAAGGGGATGTGGAAGAAGTCCAGGGACCTGGAGTAGTCGGT
 GAATTTCCAATTATTAGCCAGGTGGATATATGAATACACAAGCTGTACCACATTTTCTACAACATCAG
 GCTACATGGAAGGTTATACACCTCCATTTTCTGTACTTTAAGGACAAGGTCTTTAATGTTGCCATCCC
 CCGATTCCACATGGCATGTCCAACTTCAGGGTGTCTATAGCTCGATTGAAATGGGTCCTGATGAATAT
 GAAGAGATGGAGGAGGAAGCTGAGGAGGAGGAGGAGGAAGAAATGATGACTCTGCAGACATGGATGAAT
 CCGATGAGTCAGATGCGGATGAGAATGAGTCAGATGAGGTTGAAGGGGAGGCGAGACGGAGGAGGGTCTT
 TGATGTTCCCATTCGACAGCGCCGCTGCTCTCGTCTGTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR207690 representing NM_212433
 Red=Cloning site Green=Tags(s)

MAAVEAETGLLTLESPTDPLLLILSFVDYRDLINCCYVSRRLSQLSTHDPLWRRHCKKYWLISEEEKAG
 KSQCWRSLFIETYSDVGRYIDHYAAIKKAWRDLKKYLEPRCPRMVLSLKEGAREEDLDAVEAQIGCKLPD
 DYRCSYRIHNGQKL VVPGLLGSMALSNHYRSEDLLDVRTAAGGFQQRQGLKYCLPLTFCIHTGLSQYIAV
 EAAEGRNKNEVFYQCPDQMARNPAAIDMFIIGATFTDWFTSYVNNVVS GGFPIIRDQIFRYIHDPECVAT
 TGDITVSVSTSFPELSSVHPHYFFTYRIRIEMSRDALPEKACQLDSRYWRITNAKGDVVEEVQGPVVG
 EFPIISPGRITYEYTSCTTFSTTSGYMEGYTFHFLYFKDKVFNVAIPRFHMACPTFRVSIARLEMGPDEY
 EEEEEEEEEEEENDSADMDSESDADENESDEGEGEARRRRVFDVPIRRRRCSRLF

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_212433

ORF Size: 1440 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: [NM_212433.1](#), [NP_997598.1](#)

RefSeq Size: 4659 bp

RefSeq ORF: 1443 bp

Locus ID: 57443

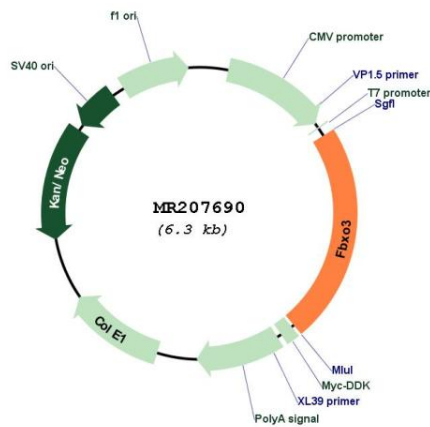
UniProt ID: [Q9DC63](#)

Cytogenetics: 2 E2

MW: 55.7 kDa

Gene Summary: Substrate recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. Mediates the ubiquitination of HIPK2 and probably that of EP300, leading to rapid degradation by the proteasome. In the presence of PML, HIPK2 ubiquitination still occurs, but degradation is prevented. PML, HIPK2 and FBXO3 may act synergically to activate p53/TP53-dependent transactivation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207690