

Product datasheet for MR218428

Fbxo6 (NM_001163706) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo6 (NM_001163706) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxo6
Synonyms:	AA408845; FBG2; Fbs2; Fbx6b; Fbxo6b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218428 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCCACATCAACGAGCTGCCAGAGAACATTCTCCTGGAGCTGTTTCATCCATATCCCGGCCACAGC
TGCTGCGCAACTGCCGCTGGTCTGCCGCTCTGGCGAGACCTCATCGATGTGGTGTCCCTATGGAAGCG
CAAGAGTCTTCGAGAGGGCTTCTCACCAAGACCGGTGCGAGCCCGTGAAGACTGGAAGTCTTCTAT
ATCCTGTGCAGCCTGCAGAGAACCTCCTTCGGAACCCGTGTGCTGAAGAGAACCCTGAGCTCATGGCGGA
TAGACTCCAACGGAGGGGATCGCTGGAAGTGGAGACGCTCCCTGGGAGCTGTGGCACAAGCTTTCCTGA
CAACAAGGTCAAGAAGTATTTTGTACCTCTTTTGTGAGATGTGCCTCAAATCCCAGATGGTGGACCTCAA
GCTGAGGGCTACTGCGAGGAGCTGATGGACACCTTTCGGCCTGACATTGTGGTTAAGGACTGGGTTGCC
CCAGAGCAGACTGTGGCTGCACCTATCAACTCCGGGTACAGCTGGCCTCTGCGGACTACATTGTCTTGGC
CTCTTTTGTAGCCTCCACCTGTGACATCCAACAGTGGAATGATGCCAAATGGCAAGAGATTTCCACACC
TTCTCTGATTACCTCCAGGTGTCCGTACATCCTTTTCAACACGGGGGCCAGGACACTCAGTTCTGGA
AAGGCTGGTACGGCCCCGTGTACCAACAGCAGCATCATTATCAGCCACAGGACAGCCAAGAACCCTCC
CCCTGCCAGAACTCTACCGGAAGAACTGTAGTAATCGGAAGGAGACGGCGAGCTTCGGACTCCAACACT
CATGAGGGTTTCTTCTGGCAAGGGCTATGGCAAAGGCTAAGGCGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001163706.1](#), [NP_001157178.1](#)

RefSeq Size: 1205 bp

RefSeq ORF: 888 bp

Locus ID: 50762

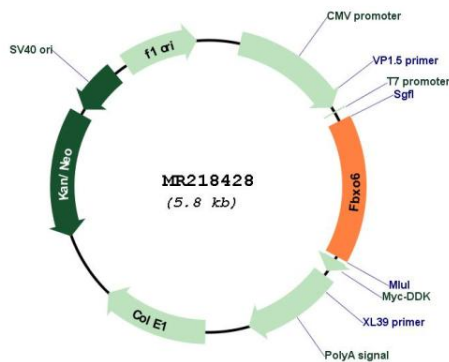
UniProt ID: [Q9QZN4](#)

Cytogenetics: 4 78.67 cM

MW: 34.5 kDa

Gene Summary: Substrate-recognition component of some SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complexes. Involved in DNA damage response by specifically recognizing activated CHEK1 (phosphorylated on 'Ser-345'), promoting its ubiquitination and degradation. Ubiquitination of CHEK1 is required to insure that activated CHEK1 does not accumulate as cells progress through S phase, or when replication forks encounter transient impediments during normal DNA replication (By similarity). Involved in endoplasmic reticulum-associated degradation pathway (ERAD) for misfolded luminal proteins by recognizing and binding sugar chains on unfolded glycoproteins that are retrotranslocated into the cytosol and promoting their ubiquitination and subsequent degradation. Able to recognize and bind denatured glycoproteins, which are modified with not only high-mannose but also complex-type oligosaccharides. Also recognizes sulfated glycans.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218428