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Product datasheet for MC203502

Fbxo2 (NM_176848) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo2 (NM_176848) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fbxo2
Synonyms:	FBG1; Fbs1; Fbs2; FBX2; NFB42; Prpl4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC046586 CTCTCTTGACAGCACCGCAGCGATGGATGGAGATGGTGATCCAGAGAGTGTGAGCCACCCCGAAGAAGCG AGCCCAGAGGAGCAGCCAGAGGAGGCGGGCGCCGAGGCGAGTGCGGAGGAGGAGCAGCTCCGGGAGGCGG AGGAGGAGGAAGAGGCGGAGGCCGTGGAGTACCTGGCCGAGCTGCCGGAGCCACTGCTGCTGCGCGTGCT GGCCGAGCTGCCAGCTACGGAGCTGGTGCAGGCCTGCCGCCTGGTGTGCCTGCGCTGGAAGGAGCTGGTG GACGGCGCCCCACTGTGGCTGCTCAAGTGCCAGCAGGAGGGGCTGGTGCCCGAGGGCAGCGCTGATGAGG AGCGGGACCACTGGCAACAGTTCTACTTTCTGAGCAAGAGGAGGCGCAACCTGCTGCGCAACCCTTGTGG GGAAGAGGACTTGGAGGGCTGGAGCGACGTGGAGCACGGTGGGGACGGCTGGAGGGTGGAGGAACTGCCC GGAGACAATGGGGTGGAATTTACCCAAGATGACAGCGTTAAGAAATACTTCGCCTCCTCCTTCGAGTGGT GTCGCAAAGCGCAGGTCATTGATCTGCAGGCAGAGGGCTACTGGGAGGAGCTACTGGACACCACCCAGCC CGCCATCGTGGTGAAGGACTGGTACTCGGGTCGCACTGATGCGGGCAGCCTGTATGAGCTCACTGTGAGG CTGCTGTCGGAGAACGAAGATGTGCTGGCGGAGTTCGCTACAGGACAGGTGGCTGTGCCAGAGGACGGCA GTTGGATGGAGATCTCCCACACCTTCATCGACTACGGGCCAGGTGTCCGCTTTGTCCGCTTCGAGCACGG AGGGCAGGACTCGGTCTACTGGAAGGGCTGGTTCGGGGCCCGGGTGACCAACAGTAGCGTGTGGGTGGAA CCCTGAACGACCTCCCCTACCCCCACCATCCGCCCTCTAAGGCAGAATTCTGGGGTAGAAAGGCCTTAAT TTAGTTGGTAGCATCCTCACCTGCCTCGCCCACGCCTTGCACCTGCCTCTCTCCCGCCCCTTCCTTCAGT CTGGTCCCGAGGAAAGAAGGACATGTTGCTTTACTGTAGGATGGCTTTCATTTGCATCTCCACGGGCAGT CGCTTCTAGAATGTACGATCCGAGGGGGTATGGGGCTGCTGCTGGATCCCGCGCTCCTAGCATTGTGCCT GCCTCAAAGTGGGCACTCAATAAATATTTGTCCAAAGAACGCAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_176848
Insert Size:	894 bp

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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC046586, AAH46586
RefSeq Size:	1260 bp
RefSeq ORF:	894 bp
Locus ID:	230904
UniProt ID:	Q80UW2
Cytogenetics:	4 78.68 cM
Gene Summary:	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex that mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Involved in the endoplasmic reticulum-associated degradation pathway (ERAD) for misfolded lumenal proteins by recognizing and binding sugar chains on unfolded glycoproteins that are retrotranslocated into the cytosol and promoting their ubiquitination and subsequent degradation. Prevents formation of cytosolic aggregates of unfolded glycoproteins that have been retrotranslocated into the cytosol. Able to recognize and bind denatured glycoproteins, preferentially those of the high-mannose type.[UniProtKB/Swiss-Prot Function]