

Product datasheet for **MG206003**

Fbxo4 (NM_134099) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo4 (NM_134099) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbxo4
Synonyms:	1700096C12Rik; AI851261; AW494535; Fbx4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206003 representing NM_134099 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGGAAGCGAGCCCGCGGAGCCGGCTCCCCGCCGCCAGCGACTGGGGCCGCTGGAGGCAG
CCATCCTGAGCGGCTGGAGGACCTTCTGGTATTCGGTGGCCAAGGAGCGGGCGACGCCGACGCCCTCTCG
GAAGGAGCGCGGAGGAGACGAGCGCGCTGACGCGGCTGCCGGTTGATGTGCAGTTGTATATCTTGTCG
TTTCTTTCACCCACGATCTGTGCCAGCTGGGAAGTACAGATCATTACTGGAACAAAAGTAAAGAGACC
CAATTCTCTGGAGATACTTCTGTGCGGGATCTCCCTTCTTGGTCTTCGGTTGATTGGAAGTCACTTCC
AGATCTAGAGATCTTAAAAAGCCAATATCTGAGGTCACCGACAGCACTTGTCTTGATTACATGGAGGTT
TATAAAATGTGCTGTCCATATACCGAAGAGCCTTGAAGCCAGCCGTCCTATGTATGGAGTGGTTACCT
CTTTCTTACACTCACTGATCATTGAGAAAGCAACCCCGGTTTGGTATGTTGGACCAGGTTTGAAGAAGT
GAACACATCCTTGGTGTGAGTTGATGTCTTCTGAGGACCTTTGCCAACTGCTGGTTTACCTCACAGA
CAGATTGATGGTATTGGATCTGGAGTCACTTCCAGTTGAACAACCAGCAAAAATTAACATCCTGATAT
TATACTCGACTACCAGAAAAGAAAGAGACAGAGCAAGGGAGGAGCACACCAGCACCGTTAACAAGATGTT
CAGCCTACAGAGTGAGGGGGACGAGCAGCAGGGCAGCCGCTACAGTGTGATCCCAGATTCAGAAAAGTG
TGTGAAGTCGTAGACGGGTTTCATCTACGTGGCAAACGCTGAAGCTCACCGACGTCATGAATGGCAAGATG
AATTTTCTCGGATTATGGCCATGACAGACCCAGCTTTTGGATCTTCAGGAAGACCCATGCTGTTTTATC
TTGATTTTCTCAAGCAGATGTAAGAGAATGCCTTGTTTTTATTTAGCTCATGAGCTGCGCCTCAGTCTT
CTAAACCACCCATGGATGGTCCAGGATACAGAGGCTGAAACTCTGACTGGTTTTTTGAATGGCATTGAGT
GGATTCTGAAGAAGTAGAATCTAAGCGTGCAAAA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206003 representing NM_134099
 Red=Cloning site Green=Tags(s)

MAGSEPRGAGSPPPASDWGRLEAAILSGWRTFWYSVAKERATPTASRKEAAEETSALTRLPVDVQLYILS
 FLSPHDLCLGSTDHYWNKTVRDPILWRYFLRLDLPSSWSDWKSLEILKKPISEVTDSTCLDYMEV
 YKMCCPYTRRALKASRPYGVVTSFLHSLIIQNEPRFAMFGPGLLEELNTSLVLSLMSSEDLCPATAGLPHR
 QIDGIGSGVNFQLNNQKFNILILYSTTRKERDRAREEHTSTVNKMFSLQSEGDEQQGSRYSVIPQIQKV
 CEVVDGFIYVANAEAHRRHEWQDEF SRIMAMTDPAF GSSGRPMLVLSCISQADVKRMPCFYLAHELRLSL
 LNHPWMVQDTEAETLTGFLNGIEWILEEVESKRAK

TRTRPLE - GFP Tag - V

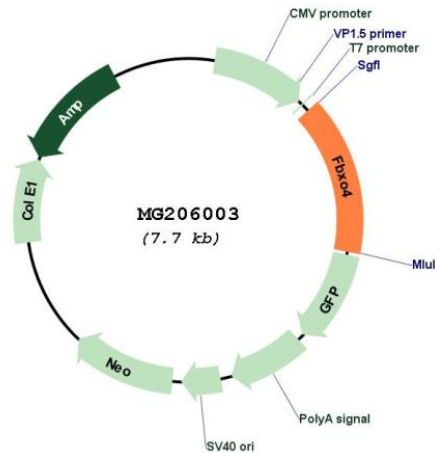
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_134099

ORF Size:	1155 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:	<ol style="list-style-type: none">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_134099.1 , NP_598860.1
RefSeq Size:	1560 bp
RefSeq ORF:	1158 bp
Locus ID:	106052
UniProt ID:	Q8CHQ0
Cytogenetics:	15 A1
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. Promotes ubiquitination of CCND1 and its subsequent proteasomal degradation. Recognizes TERF1 and promotes its ubiquitination together with UBE2D1 (By similarity).[UniProtKB/Swiss-Prot Function]