

Product datasheet for **MG206694**

Wsb1 (BC053391) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Wsb1 (BC053391) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Wsb1
 Synonyms: 1110056B13Rik; 2700038M07Rik
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG206694 representing BC053391
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGCTTTCCCCGAGGGTTAACGAGAAAGAGATCGTGAGATCACGTAATAAGGGAACTTTGG
 CTCACGACGCTCCTTTTGACAAGAAATGTGGTGGTGAAGACTGGACGGTGTCTTTGCTCCTGATGGTTC
 CTACTTTGCGTGGTCGCAAGGATATCGCATAGTGAAGCTTGTCCCGTGGTCCCAGTGCCGTAAGAATTT
 CTTCTGCATGGTCCAAAAATGTTACCAATTCAAGCTGTCTAAAATTGGCAAGACAAAACAGTAATGGTG
 GTCAGAAAAACAAGCCTCCTGAGCACGTTATAGACTGTGGAGACATAGTCTGGAGTCTTGCTTTTGGGTC
 TTCAGTTCAGAAAAACAGAGTCGTTGCGTTAATATAGAATGGCATCGGTTCCGATTTGGACAGGATCAG
 CTACTCCTTGCCACAGGATTAACAATGGTCGCATCAAAATCTGGGATGTATACAGGAAAACTCCTCC
 TTAATTTGGTAGACCACATTGAAATGGTTAGAGATTTAACTTTTGCTCCAGATGGGAGCTTACTCCTTGT
 ATCAGCTTCAAGAGACAAAACCTAAGAGTGTGGGACCTGAAAGATGATGGAAACATGGTGAAAGTATTG
 CGGGCACATCAGAATGGGTGTACAGTTGTGCATTCTCTCCGACTGTTCTATGCTGTGTTCAAGTTGGCG
 CCAGTAAAGCAGTTTTCTTTGGAATATGGATAAATACACCATGATTAGGAAGCTGGAAGTCCATACCA
 TGATGTTGTAGCTTGTGACTTTTCTCCTGATGGAGCATTGCTAGCTACTGCATCCTATGACACTCGTGTG
 TATGCCGGGATCCACACAATGGAGACCTTCTGATGGAGTTTGGGCACCTGTTTCCCTCGCCCACTCCAA
 TATTTGCTGGAGAGCAATGACCGATGGGTGAGAGCTGTGTCTTTCAGTCATGATGGACTGCATGTTGC
 CAGCCTTGCTGATGATAAATGGTGAGGTTCTGGAGAATCGATGAGGATTGTCCGGTACAAGTTGCACCT
 TTGAGCAATGGTCTTTGCTGTGCCTTTTCTACTGATGGCAGTGTTTAGCTGCTGGGACACATGATGGAA
 GTGTGATTTTTGGGCCACTCCAAGCGAGTCCCTAGCCTTCAACATATATGTCGCATGTCAATCCGAAG
 AGTGATGTCCACCAAGAAGTCCAAAAACTGCCTGTTCTTCCAAAAATTTGGCGTTTCTCTCTACCGC
 GGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206694 representing BC053391
 Red=Cloning site Green=Tags(s)

MASFPPRVNEKEIVRSRTIGELLAPAAPFDKCKCGGENWTVAFAPDGSYFAWSQGYRIVKLV PWSQCRKNF
 LLHGSKNVTNSSCLKLARQNSNGGQKNKPPEHVIDCGDIVWSLAFGSSVPEKQSRCVNIWHRFRFGDQ
 LLLATGLNNGRIKIWDVYTGKLLNLDVHIEMVRDLTFAPDGSLLLVSASRDKTLRVWDLKDDGNMVKVL
 RAHQNWVYSCAFSPDCSMLCSVGASKAVFLWNMDKYTMIRKLEGGHHHDVACDFSPDGALLATASYDTRV
 YAWDPHNGDLLMEFGHLFPSPPTPIFAGGANDRWVRAVSFSDHGLHVASLADDKMVRFWRIDEDCPVQVAP
 LSNGLCCAFSTDGSLAAGTHDGSVYFWATPRRVPSLQHCIRMSIRRVMSTQEVQKLPVPSKILAFLSYR
 G

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC053391

ORF Size: 1265 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.

RefSeq: [BC053391](#), [AAH53391](#)

RefSeq Size: 2310 bp

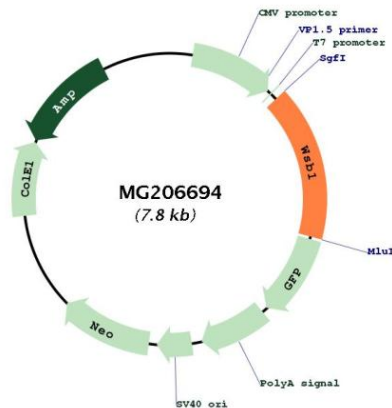
RefSeq ORF: 1265 bp

Locus ID: 78889

Cytogenetics: 11 B5

Gene Summary: Probable substrate-recognition component of a SCF-like ECS (Elongin-Cullin-SOCS-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Recognizes type II iodothyronine deiodinase/DIO2. Confers constitutive instability to HIPK2 through proteasomal degradation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206694