

Product datasheet for **MR206694**

Wsb1 (NM_001042565) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wsb1 (NM_001042565) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wsb1
Synonyms:	1110056B13Rik; 2700038M07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR206694 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCAGCTTTCCCCGAGGGTTAACGAGAAAGAGATCGTGAGATCACGTAATATAGGGAACTCTTGG
 CTCAGCAGCTCCTTTTACAAGAAATGTGGTGGTGAAGACTGGACGGTTGCTTTTCTCCTGATGGTTC
 CTACTTTGCGTGGTCGCAAGGATATCGCATAGTGAAGCTTGTCCCGTGGTCCCAGTGCCGTAAGAACTTT
 CTTCTGCATGGTCCAAAAATGTTACCAATTCAAGCTGTCTAAAATTGGCAAGACAAAACAGTAATGGTG
 GTCAGAAAAACAAGCCTCCTGAGCACGTTATAGACTGTGGAGACATAGTCTGGAGTCTTGCTTTTGGGTC
 TTCAGTCCAGAAAAACAGAGTCGTTGCGTTAATATAAGATGGCATCGGTTCCGATTTGGACAGGATCAG
 CTACTCCTTGCCACAGGATTAACAATGGTCGCATCAAAATCTGGGATGTATACAGGAAAACCTCTCC
 TTAATTTGGTAGACCACATTGAAATGGTAGAGATTTAACTTTTCTCCAGATGGGAGCTTACTCCTTGT
 ATCAGCTTCAAGAGACAAAACCTAAGAGTGTGGGACCTGAAAGATGATGAAACATGGTAAAGTATTG
 CGGGCACATCAGAATTGGGTGTACAGTTGTGATTCTCTCCCGACTGTTCTATGCTGTGTTCAAGTTGGCG
 CCAGTAAAGCAGTTTTCTTTGGAATATGGATAAATACCCATGATTAGGAAGCTGGAAGGTCATACCA
 TGATGTTGTAGCTTGTGACTTTTCTCCTGATGGAGCATTGCTAGCTACTGCATCCTATGACACTCGTGTG
 TATGCCTGGGATCCACACAATGGAGACCTTCTGATGGAGTTTGGGCACCTGTTCCCTCGCCCACTCCAA
 TATTTGCTGGAGGAGCAAATGACCGATGGGTGAGAGCTGTGTCTTTCAGTCATGATGGACTGCATGTTGC
 CAGCCTTGCTGATGATAAAATGGTGAGGTTCTGGAGAATCGATGAGGATTGTCCGGTACAAGTTGCACCT
 TTGAGCAATGGTCTTTGCTGTGCCTTTTCTACTGATGGCAGTGTTTAGCTGCTGGACACATGATGGAA
 GTGTGTATTTTGGGCCACTCCAAGGCGAGTCCCTAGCCTTCAACATATATGTCGCATGTCAATCCGAAG
 AGTGATGTCCACCAAGAAGTCCAAAAACTGCCTGTTCTTCCAAAATATTGGCGTTTCTCTCCTACCGC
 GGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206694 protein sequence
 Red=Cloning site Green=Tags(s)

MASFPPRVNEKEIVRSRTIGELLAPAAPFDKCKCGGENWTVAFAPDGSYFAWSQGYRIVKLVPWSQCRKNF
 LLHGSKNVTNSSLKLARQNSNGGQKNPPEHVIDCGDIVWSLAFGSSVPEKQSRCVNIWHRFRFGQDQ
 LLLATGLNNGRIKIWDVYTGKLLNLVDHIEMVRDLTFAPDGSLLLVSASRDKTLRVWDLKDDGNMVKVL
 RAHQNWVYSCAFSPDCSMLCSVGASKAVFLWNMDKYTMIRKLEGGHHHDVVACDFSPDGALLATASYDTRV
 YAWDPHNGDLLMEFGHLFPSPTPIFAGGANDRWVRAVSFSDHGLHVASLADDKMVRFWRIDEDCPVQVAP
 LSNGLCCAFSTDGSVLAAGTHDGSVYFWATPRRVPSLQHCIRMSIRRMSTQEVQKLPVPSKILAFLSYR
 G

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001042565

ORF Size: 1266 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 Size: 2346 bp

RefSeq ORF: 540 bp

Locus ID: 78889

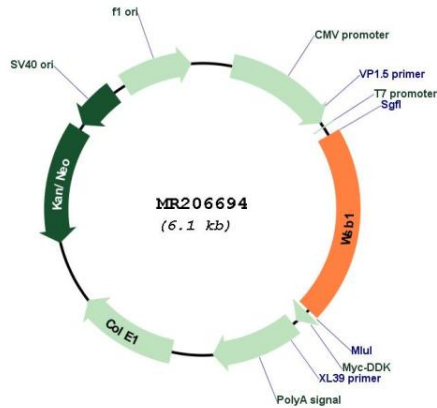
Cytogenetics: 11 B5

MW: 47.1 kDa

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 MR206694