

Product datasheet for **RG202375**

WSB2 (NM_018639) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	WSB2
Synonyms:	SBA2
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG202375 representing NM_018639
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCCGGAGAGGAACCGCTGCTGCTGGCCGAACCTCAAGCCCGGGCGCCCCACCAAGTTTGATTGGA
AGTCCAGCTGTGAAACCTGGAGCGTCGCCTTCTCCCCAGATGGCTCCTGGTTTGCTTGGTCTCAAGGACA
CTGCATCGTCAAACTGATCCCCCTGGCCGTGGAGGAGCAGTTCATCCCTAAAGGTTTGAAGCCAAAAGC
CGAAGTAGCAAAAATGAGACGAAAGGGCGGGCAGCCAAAAGAGAAGACGCTGGACTGTGGTCAGATTG
TCTGGGGGCTGGCCTTCAGCCCGTGGCCTTCCCCACCCAGCAGGAAGCTCTGGGCACGCCACCAACCCCA
AGTGCCCGATGTCTCTTGCCTGGTTCTTGCTACGGGACTCAACGATGGGCAGATCAAGATCTGGGAGGTG
CAGACAGGGCTCCTGCTTTTGAATCTTCCGGCCACCAAGATGTCGTGAGAGATCTGAGCTTCACACCCA
GTGGCAGTTTGATTTTGGTCTCCGCGTCACGGGATAAGACTCTTCGCATCTGGGACCTGAATAAACACGG
TAAACAGATTCAAGTGTTATCGGGCCACCTGCAGTGGGTTTACTGCTGTTCCATCTCCCCAGACTGCAGC
ATGCTGTGCTCTGCAGCTGGAGAGAAGTCGGTCTTCTATGGAGCATGAGGTCTACACGTTAATTCGGA
AGCTAGAGGGCCATCAAGCAGTGTTGTCTCTTGACTTCTCCCCGACTCTGCCCTGCTGTGCACGGC
TTCTTACGATACCAATGTGATTATGTGGGACCCCTACACGGCGAAAGGCTGAGGTCACTCCACACACC
CAGGTTGACCCCGCATGGATGACAGTGACGTCCACATTAGCTCACTGAGATCTGTGTCTTCTCTCCAG
AAGGCTTGACCTTGCCACGGTGGCAGATGACAGACTCCTCAGGATCTGGGCCCTGGAAGTAAAACTCC
CATTGCATTGCTCCTATGACCAATGGGCTTGTGTCACATTTTTTCCACATGGTGGAGTCATTGCCACA
GGGACAAGAGATGGCCACGTCCAGTTCTGGACAGCTCCTAGGTCCTGCTCACTGAAGCACTTATGCC
GGAAAGCCCTTCGAAGTTTCTAACAACCTACCAAGTCCTAGCACTGCCAATCCCCAAGAAATGAAAGA
GTTCTCACATACAGGACTTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG202375 representing NM_018639

Red=Cloning site Green=Tags(s)

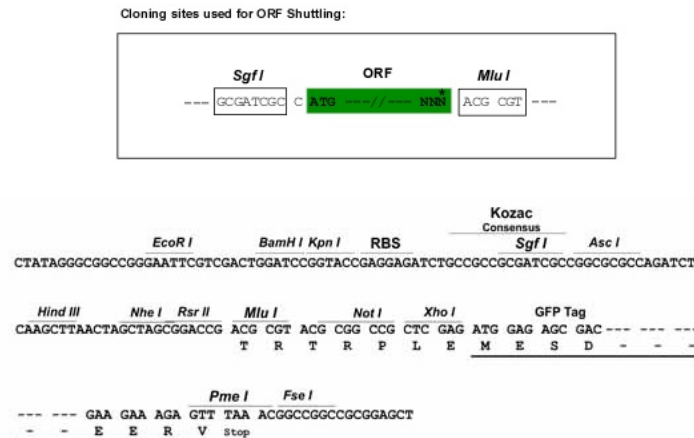
MEAGEEPLLLAELKPGRPHQFDWKSSCETWSVAFSPDGSWFAWSQGHCIKVLIPWPLEEQFIPKGFEAKS
RSSKNETKGRGSPKEKTLDCGQIVWGLAFSPWSPPSRKLWARHHPQVPDVSLVLATGLNDGQIKIWEV
QTGLLLNLNGHQDVVRDLSTPTSGSLILVSASRDKTLRIWDLNKHGKQIQVLSGHLQWVYCCSISPDCS
MLCSAAGEKSVFLWSMRSYTLIRKLEGHQSSVVSDFSPDSALLVTASYDTNVIMWDPYTGERLRLSHT
QVDPAMDSDVHISSLRSVCFSPGLYLATVADDRLLRIWALELKTPIAFAPMTNGLCCTFFPHGGVIAT
GTRDGHVQFWTAPRVLSSLKHLCKALRSFLTQVLAALPIPKMKMEFLTYRTF

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_018639

ORF Size:

1212 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:

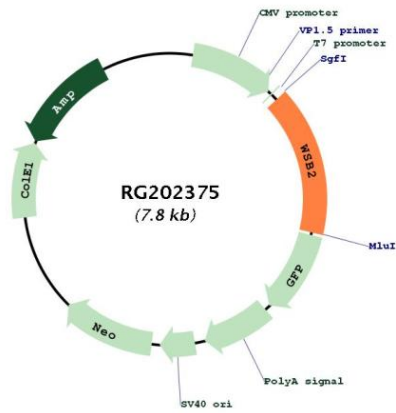
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_018639.5</u>
RefSeq Size:	2833 bp
RefSeq ORF:	1215 bp
Locus ID:	55884
UniProt ID:	<u>Q9NYS7</u>
Cytogenetics:	12q24.23
Domains:	SOCS, WD40
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a member of the WD-protein subfamily. The encoded protein contains five WD-repeats spanning most of the protein and an SOCS box in the C-terminus. The SOCS box may act as a bridge between specific substrate-binding domains and E3 ubiquitin protein ligases. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2013]

Product images:



Circular map for RG202375