

Product datasheet for **RG233631**

WASF2 (NM_001201404) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WASF2 (NM_001201404) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WASF2
Synonyms:	dj393P12.2; IMD2; SCAR2; WASF4; WAVE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233631 representing NM_001201404 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGTTAGTAACGAGGAACATCGAGCCAAGGCACCTGTGCCGTCAGACGTTGCCTAGCGTTAGAAGCG
AGCTGGAATGCGTGACCAACATCACCTGGCAAATGTCATCCGACAGCTGGGCAGCCTGAGTAAATATGC
AGAGGACATTTTTGGAGAGCTCTTACTCAGGCAAATACCTTTGCCTCTCGGGTAAGCTCCCTTGCTGAG
AGGGTCGACCGACTACAGGTTAAAGTCACTCAGCTGGATCCCAAGGAAGAAGAAGTGTCACTGCAAGGAA
TCAACACCCGAAAAGCCTTCAGAAGTCCACCATTCAAGACCAGAAGCTTTTTGACAGAACTCTCTCCC
AGTGCCTGTCTTAGAAACATACAATACCTGTGATACTCCTCCCTCTCAACAATCTTACCCTTACAGG
GACGATGGAAAAGAGGCACTCAAATTCTACACAGACCCTTCATACTTCTTTGATCTTTGGAAGGAGAAGA
TGCTGCAGGACACCAAGGATATCATGAAAGAGAAGAGAAAAGCATAGGAAAAGAAAAGAAAGATAATCCAAA
TCGAGGGAATGTAACCCACGTAATAAAGACACGTAAGGAAGAGTGGGAGAAAATGAAGATGGGGCAA
GAATTTGTGGAGTCAAAGAAAAGCTGGGACTTCTGGGTATCCACCCACTTTGGTGTACCAGAATGGCA
GCATTGGCTGTGTGAAAACGTGGATGCAAGTAGCTATCCGCCACCACCACAGTCAGACTCTGCTTCTTC
ACCTTCTCTTCTTCTCCGAGGACAATTGCCTCCTCCACCAGCAGAATTCAGGTTTTTCAGCTGCCGAG
GGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233631 representing NM_001201404
 Red=Cloning site Green=Tags(s)

MPLVTRNIEPRHLCRQTLPSVRSELECVTNITLANVIRQLGSLSKYAEDIFGELFTQANTFASRVSSLAE
 RVDRLQVKVTQLDPKEEEVSLQGINTRKAFRSSTIQDQKLFDRNSLPVPVLETYNTCDTPPPLNNLTPYR
 DDGKEALKFYTDP SYFFDLWKEKMLQDTKDIMKEKRKRHRKEKKDNPNRGNVNPRIKTRKEEWEKMKMGQ
 EFVESKEKLGTSGYPPTLVYQNGSIGCVENVDASSYP PPPQSDSASSPSPSF SEDNLPPPPAEFRF SAAQ
 G

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001201404

ORF Size: 843 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: [NM_001201404.3](#)

RefSeq Size: 5161 bp

RefSeq ORF: 846 bp

Locus ID: 10163

UniProt ID: [Q9Y6W5](#)

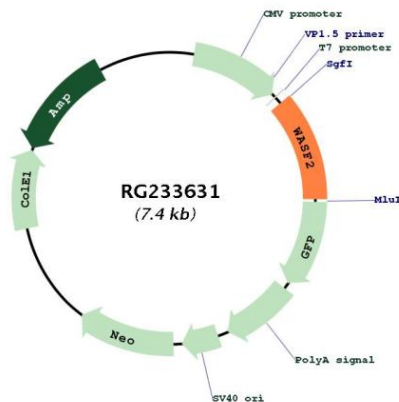
Cytogenetics: 1p36.11

Protein Families: Druggable Genome

Protein Pathways: Adherens junction, Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton

Gene Summary: This gene encodes a member of the Wiskott-Aldrich syndrome protein family. The gene product is a protein that forms a multiprotein complex that links receptor kinases and actin. Binding to actin occurs through a C-terminal verprolin homology domain in all family members. The multiprotein complex serves to transduce signals that involve changes in cell shape, motility or function. The published map location (PMID:10381382) has been changed based on recent genomic sequence comparisons, which indicate that the expressed gene is located on chromosome 1, and a pseudogene may be located on chromosome X. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]

Product images:



Circular map for RG233631