

Product datasheet for **RN207646**

Wasf1 (NM_001025114) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wasf1 (NM_001025114) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Wasf1
Synonyms:	MGC109303
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207646 representing NM_001025114
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGCTGGTAAAAAGAACATCGACCCTAGGCCTTGTGCCACACAGCACTGCCAGGGGCATTAAGA
 ACGAGCTGGAATGTGTGACCAACATCTCCCTGGCAATAAATTAGACAAGTGAAGTAAATA
 TGCTGAAGACATATTTGGAGAATTATTTCAATGAAGCACATAGTTTTTCTTCAGAGTTAACTCATTACAA
 GAGCGCTGGACCGATTGTCGTTAGTGTACACAGCTTGATCCTAAAGAAGAAGAACTGTCCTTACAAG
 ACATAACGATGAGAAAAGCTTTCCGGAGCTCTACAATTCAGGACCAGCAGCTTTTCGACCGAAGACTTT
 GCCTATCCCGCTGCAGGAAACGTACGATGTGTGCGAGCAGCTCCGCCTCTCAATGTCCTCACACCTAC
 AGGGACGATGGTAAGGAGGGGCTGAAGTTTTATACCAACCCTTCGATTTTCTTTGATCTGTGAAAGAAA
 AGATGTTGCAAGATACAGAGGATAAGAGGAAGGAAAAGAGAAAGCAGAAGCAGAAAAATCTAGACCGTCC
 TCATGAACCAGAAAAAGTGCCAAGAGCACCACATGACAGCGCGGAGAATGGCAGAAGCTGGCCCAAGGT
 CCAGAGCTGGCTGAAGATGATGCCGATCTCCTCCACAAGCACATCGAAGTTGCTAACGGGCCAGCCTCTC
 ATTTTGAGACAAGGCCGAGACATACGTGGACCACATGGATGGATCTTACTCACTCTCTGCCTTGCCATT
 CAGTCAGATGAGTGAACCTCTAAGCAGAGCTGAGGAGAGGGTCTTAGTCAGACCCCATGAACCACCTCCA
 CCTCCACCAATGCATGCAGCAGGGGATGCAAGACCCACCCACCTGTGTGAGCTCTGCTGCGGGTTTGA
 TAGAGAATCGTCCCAGTCCCAGCTGCAGGCAGAACACCCGTGTTTGTGAGCCCCACGCCCCACCTCC
 TCCACCACCTCTCCCGTCTGCCCTGTCCACCTCCTCACTGAGAGCTTCCATGACCTCAACTCCTCCCCCA
 CCGGTGCTCCCCGCTCCTCCTCCAGCCCTGCCTTGACAGCCCCAGCAGTGCCCCCGCTCCAGCCC
 CTCTTCAGATTGCCCTGGTGTCTTCCACCCAGCTCCTCCTCAATCGCTCCTCCTCTAGTACAGCCCTC
 TCCCCCGGTAGCCAGAGCCGCCAGTGTGTGAGACTGTACCCGTTTCATCCACTCCACAAAGGTGAAGTG
 CAGGGGCTGCCTCCGCCCGCCGCCGCGCTCTGCCTCCTCCAGGCATTGCGGCATCATCACCTGTCA
 CGGTGCGAGCTCTTGCATCCTCCCTCTGGGCTCCACCAACTCCATCTCCTGCCCTGGTCCCCATGC
 TCCATTAATGCCTCCGTCACCTTCAAGTCTGCCTGCCTCTGAGCCAAAGCGCCATCCTTCCACC
 CTACCCGTGATCAGTGACGCGAGGAGTGTGCTGCTGGAGGCCATACGAAAGGCATTGAGCTTCCGAAAG
 TGGAAAGCAGCGTGAACAGGAAGCAAAGCATGAGCGGATTGAAAACGACGTGGCCACCATCTGTACAG
 CCGCATCGCTGTGGAGTACAGCGACTCGGAAGCAGACTCGGAGTTCGATGAAGTAGACTGGCTGGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001025114
- Insert Size:** 1680 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:	<u>NM_001025114.1, NP_001020285.1</u>
RefSeq Size:	2579 bp
RefSeq ORF:	1680 bp
Locus ID:	294568
UniProt ID:	<u>Q5BJU7</u>
Cytogenetics:	20q13
Gene Summary:	Downstream effector molecule involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton. Promotes formation of actin filaments. Part of the WAVE complex that regulates lamellipodia formation. The WAVE complex regulates actin filament reorganization via its interaction with the Arp2/3 complex (By similarity). As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (By similarity).[UniProtKB/Swiss-Prot Function]