

Product datasheet for **MC206813**

Wasf1 (BC016896) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wasf1 (BC016896) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wasf1
Synonyms:	Scar, WAVE-1, WAVE
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC016896
 CAGGGGGAAGCGCCTCTTGTCCACGGACGGGTGAGCTGGTTGAGTGGCTGAGCTCAAGATGCCGTT
 GGTGAAAAGAAACATCGACCCTCGGCACTTGTGCCACACAGCACTGCCAGGGGCATTAAGAACGAACTG
 GAATGTGTAACCAACATTTCCCTGGCAAATATAATTAGACAACTGAGTAGCCTAAGTAAGTATGCTGAAG
 ACATATTTGGAGAATTATTCAATGAAGCACACAGTTTTTCTTCAGAGTTAACTCGTTGCAAGAGCGCGT
 GGACCGATTGTCTGTTAGTGTACACAGCTTGATCCTAAGGAGGAAGAAGTGTCTTTGCAAGATAAACG
 ATGAGAAAAGGCTTCCGGAGCTCCACAATTCAAGATCAGCAGCTTTTCGACCGCAAGACGTTGCCTATTC
 CATTGCAAGAAACATACGATGTGTGTGAGCAACCTCCGCCTCTCAATATCCTCACCCCTTACAGGGATGA
 TGGTAAGGAAGGCTGAAAGTTTTATACCAATCCTTCATATTTCTTTGATCTGTGGAAGAAAAGATGTTG
 CAAGATACAGAGGACAAGAGGAAGGAAAAGAGAAAAGCAGAAGCAGAAAAATCTAGACCGTCTCATGAAC
 CAGAGAAAGTGCCAAGAGCACCTCATGACAGGCGCGGGAATGGCAGAAGCTGGCCCAAGGTCCAGAGCT
 GGCTGAGGATGACGCTGACCTCTACACAAGCATATTGAAGTTGCCAATGGCCCAGCCTCTCATTATGAG
 ACAAGGCCACAGACATACGTGGATCATATGGACGGATCGTACTACTCTCTGCCTTGCCATTGAGT
 TGAGTGAACCTTCTGACCAGAGCTGAGGAGAGGGTCTTAGTCAGACCCCATGAACCTCTCCGCTCCACC
 AATGCATGGAGCAGGAGATGCAAAGCCACACCCACCTGTATCAGTTCTGCTACAGTTTGTATAGAGAAT
 CGCCCCAGTCCCAGCTGCAGGCAGAACCTGTGTTGTGAGCCCCACTTCCCACCTCTCCCCAC
 CTCTTCCGCTGTGCTTGTCCACTTCTTCTACTAAGAGCTTCAATGACCTCAACTCTCCCCACAGTCCC
 TCTCCGCTCTCCCCAGCCACTGCTTGTGAGGCCAGCAGTCCCCCACCTCCGGCTCCTCTTCAG
 ATTGCCCTGGTGTCTTCAACCAGCTCCTCCTCAATTGCTCCTCCTAGTGCAGCCCTCTCCCCAG
 TAGCTCGAGCTGCCCCAGTATGCGAGACTGTGCCAGTTACCCACTCCCAGGTTGAAGTGCAGGGGCT
 GCCTCCACCCCAACCACCGCTCCTCTACCTCCGCTGGCATCCGGCCATCATCTCTGTGCGAGTTGCA
 GCTCTTGTCTATCCTCCCTCTGGGCTCCATCCAGCACCATCTACTGCCCGGGTCCCCATGCTCCATTAA
 TGCTCCATCTCCTCCATCACAAGTTCTACCTGCCTCTGAGCCAAAGCGCCATCCACCTGCCTGT
 AATCAGTGACGCAAGGAGTGTGCTGCTGGAAGCCATCCGAAAAGGTATTAGCTTCGCAAAGTGAAGAG
 CAGCGTGAACAGGAAGCAAAACAGAGCGGATTGAAAACGACGTGGCCACCATCCTGTCTCGCCGATTG
 CTGTGGAGTATAGCGACTCGGAAGATGACTCGGAGTTCGATGAAGTAGACTGGCTGGAGTAAAGAAAGCCA
 CAGTGACTTGGAAGATGACTCGGAGTTCGATGAAGTAGACTGGATGGAGTAAAGACAGCCGCTTGTCTG
 TATTGCAAGGCTGAATGCACATGCTCCCTCGTGGCGTGTGTTCTTTGAAAATGTTCCGGTATTCTAGTGT
 TTGCTTCTATTCTCATAATGAATAACCTTTTCTCCATTATTTTTGATTTCTATGAAAAGTATTAGC
 ATATATTTCAAATAAATTTTTGTGGCTTACCTTAATTTTTCCCCTGGAAAAATATAATTTGGTCCAA
 TAAACTACTAAGTATTAAGCATGGAAGCCGTTATTAGAGTAGCAGATTGAGTTTTGATATTCCTTAAT
 TGTGCACTTTGTGATTTTTTTTTTTTTTTTTAAATTTGAAGAACGCAACTGAGACTGGAATCTTGAAGGC
 AGCTGTGTCTGGGAACGAGCCTTATTCCGTTTCTGTATGTTTTAAATGAAGAAACTGCCTCGATTATA
 TGAATACACTCAGAAGGAACATGTAGCTTGTAGTGTGAATTCTCTAAAGGAATGGTTAGCTTTGGTTA
 TCATTTTGTGTTTTTGAATACTTGCCTTATTTGAACGTTTAGCAGAACCCTTCCCCTTATATATTGT
 GTGGTACAGTTTTGCTTGCCTATAGAAGTTAAATTTTTCCATGTGAAATACTCAGAATAAGCATATGTG
 TGACTTACATAATGTGAGAATTACAATCTGATGTAATAAACGGTTCATTTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC016896

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:

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: [BC016896](#), [AAH16896](#)

RefSeq Size: 2520 bp

RefSeq ORF: 1680 bp

Locus ID: 83767

Cytogenetics: 10 22.07 cM

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 (PubMed:27605705).[UniProtKB/Swiss-Prot Function]