

Product datasheet for **MG201887**

Washc3 (NM_026070) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Washc3 (NM_026070) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Washc3
Synonyms: 2900091E11Rik; 5730495F03Rik; Ccdc53
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201887 representing NM_026070
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGAGGATGGGCTTCTCTCATGGGGTCAGGCATAGACCTGACCAAGGTGCCAGCTATTCAACAGA
 AAAGAACCGTGGCCTTTCTAAACGATTTGTGGTGCACACTGTGCAGTTTCTCAACCGTTTTCCGCAGT
 TTGTGAGGAGAACTGGCAGACCTTTCTCCGGATTCAGCAAATGAAACAACCTCAATATTTAGAT
 GCAAAGCTGTCTATCCCAGGCTAGAGGACGTCACAGTTGAAGTGTCTCCTTTAAATGTCAGTCTG
 TCACAAACGGATCACATTCTGAAACCACTTCGGAGCAAACGCAGCAGAATAGCACACAAGACTCTGGAGC
 ACAGGAGAGTGAAGCGCCATCAGAAAATGTCTGACCGTAGCCAAGGATCCGCGGTATGCCAGATACCGC
 AAGATGGTTCAAGTGGGTGTTCCAGTGTGCAATCAGAGACAAGATGATCTCAGAAGGACTGGACCCGG
 AGCTACTGGAGAAGCCAGATGCCCGGTGCCAAATGGCGAAAGCAAAGAGCCGTAGAAGAAAGTTCAGA
 TAGTGACTCTTCTTCAGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201887 representing NM_026070
 Red=Cloning site Green=Tags(s)

MDEDGLPLMGSGIDLTKVPAIQKRTVAFLNQFVVHTVQFLNRFSAVCEEKLDLRLRIQQIETTLNILD
 AKLSSIPGLEDVTVEVSPLNVTAVTNGSHSETTSEQTQQNSTQDSGAQSEAPSENVLTVAKDPRYARYR
 KMOVGVPMIAIRDKMISEGLDPELLEKPDAPVPNGESKRAVEESSDSDSFSFSD

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

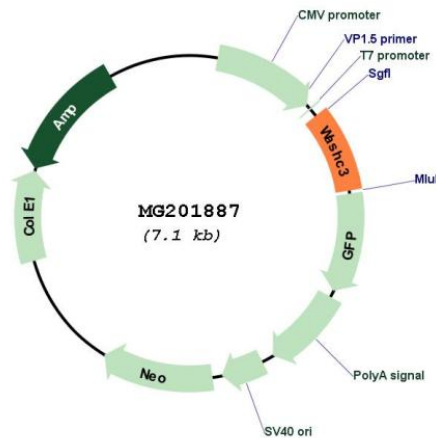


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Cloning Scheme:



Plasmid Map:



ACCN: NM_026070

ORF Size: 582 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_026070.1](#), [NP_080346.1](#)

RefSeq Size: 1054 bp

RefSeq ORF: 585 bp

Locus ID: 67282

UniProt ID: [Q9CR27](#)

Cytogenetics: 10 C1

Gene Summary: Acts at least in part as component of the WASH core complex whose assembly at the surface of endosomes seems to inhibit WASH nucleation-promoting factor (NPF) activity in recruiting and activating the Arp2/3 complex to induce actin polymerization, and which is involved in regulation of the fission of tubules that serve as transport intermediates during endosome sorting.[UniProtKB/Swiss-Prot Function]