

Product datasheet for **MG209009**

Wscd1 (NM_177618) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wscd1 (NM_177618) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wscd1
Synonyms:	mKIAA0523
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MG209009 representing NM_177618
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAAACCTTTCTTCAGACTCCAGAAGTTTCTCCGACAACACAGTTCCTGCTACTCTTCCTCACGG
 CCGCCTACCTGATGACCGGCAGCCTGCTGCTCCTGCAGCGGGCCAGAGTGGCCCTCCACAGGCCCTCCG
 GGCTCCCGGCAGCCTGCAGGCCTTACCAGTGGCCACCGTTGCACTGGGTGTGGGTCTACTGGACGCAGG
 AGCCTTCGTGATCCACAGTAGTCTGACCTACTACTTGATGTGGACACACTGAGGAGTCTCTAGCCC
 GACTACCACCTGGAATCCGCTGGCCCCGAGGAACCGCAGCTCGTGGCGGGCTTGGCTCCACCACCT
 CACCAGTGACCCGAGGGGCTCCACCCTGAGTCCGGAGGCCTCTGGACCAGCCAACCATAATAGAGGC
 AATTACCTGGGATGCTTCAGTGAGGAGGGCCAGGAGAGAACTCTGAAGGGAGCAGTGTTCACGACTTGA
 GAAAGATGACCGTGTCACTGCCAGGATGCCTGTGCTGAGCGGTCTTATGTCTATGCTGGCTTGGAGGC
 TGGTGCAGAGTGTACTGTGGGAATAGGCTGCCGGCCACAGTGTGAGCCTGAAGGAGTGAATCAGGAG
 TGCAAGGGAGAGAAAGGCTCCATGTGCGGGGCTGTGCGCCGGCTCTCTGTGTACAGCGTGGGGCTGCAGC
 AGCCAGGCTCCAAGAAGCGGCGCACTGCCACCTACCGAGGGTGTTCCTGCTGAGAATGTCACCCA
 CACCTTCTCCTCCTCCATGACACAGGCCAACATGACTGTGGAGACGTGTTCTGGATTTTGTTCACAGAA
 GAGTTTCTCTGGCCATCCTCCGAGGCTGGGATTGCTATTGTGCCTACCTACCCCCAGTTCAGCCTGC
 GGGATGCTGTGGATGGAGCACTGTGCAGTCAGGCCCCAGAGACACAAGGGCTACCTGGCTACTGTGAGGT
 CTACCAGACCCCGTGAAGACACCCGGTGCACAGACAGGAAGTTCCTGCCGACAAGTCTAAGGTGTTT
 GTGGCTCTGTGAGCTTCCCTGGAGCTGGGAACACATGGGCAAGGCACCTGATCGAGCACGCCACTGGCT
 TCTACACGGGAAGCTACTACTTCGACGGAACCTGTACAACAAGGGGTTCAAGGGTGAGAAGGACCATTG
 GCGGAGCCGCGCACCATCTGTGTGAAGACGCACGAGAGTGGCCGAGGGAGATTGAGATGTTTGACTCG
 GCCATCTGCTGATCCGGAACCCCTACCGTCCCTAGTTGCTGAATTCAACAGGAATGCCTGGACACT
 TGGGCTATGCCCTGACCGCAATTGGAAGAGCAAAGAATGGCCGGAGTTTGTGAATAGCTATGCCTCCTG
 GTGGTCTCACATGTCTAGACTGGCTCAAGTATGGGAAGCGGCTGCTGGTCTGCACTATGAGGAGCTG
 CGGCACAGCCTGGTGCCACACTTCGGGAGATGGTGGCTTCTCAATGTGTCCGTGAGCGAGGAGCGGC
 TTCTCTGTGTGGAGAACAAAGAGGGCAGCTTCAGGAGGCGTGGCCGGCGCCCTCATGACCAGGAGCC
 CTTACCCCTGAGATGAAGGACTTGATCAATGGCTATATCAGGACAGTGGACCAGGCCTTGGTGACCAC
 AACTGGGCTGGGCTGCCAGAGAGTATGTGCCAGA

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209009 representing NM_177618
 Red=Cloning site Green=Tags(s)

MAKPFRLQKFLRRTQFLLLFLTAAYLMTGSLLLLQRRARVALPQALRAPGSLQALPVATVALGVLLDGR
 SLRDPHSSPDLLLDVDTLRSPLARLPPIRWPRNRSSLRRLHHLTSDPQGPPTLSPEASGPANHNRG
 NYLGCFSEEGQERTLKGAIFYDLRKMTVSHCQDACAERSYVYAGLEAGAECYCGNRLPATRVSLKECNQE
 CKGEKSMCGAVRRLSVYSVGLQQPGSKKRRATYRGCFPLPENVTHTFSSMTQANMTVETCSGFCSQK
 EFPLAILRGWDCYAYPTPQFSLRDAVDGALCSQAPETQGLPGYCEVYQTPVQDTRCTDRKFLPKSKVF
 VALSSFPAGNTWARHLIEHATGFTGSIYFDGTLYNKGFKGEKDHWSRRTICVKTHESGRREIEMFDS
 AILLIRNPYRSLVAEFNRKCAGHLGYAPDRNWKSEWPEFVNSYASWWSSHVLDWLKYGRLLVVHYEEL
 RHSLVPTLREMAFLNVSYSERLLCVENNKEGSFRRRGRRPHDQEPFPEMKDLINGYIRTVDQALRDH
 NWAGLPREYVPR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_177618

ORF Size: 1716 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: [NM_177618.4](#), [NP_808286.2](#)

RefSeq Size: 2761 bp

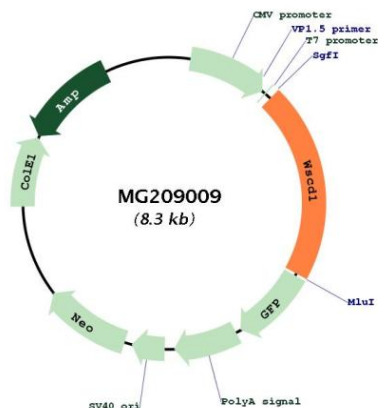
RefSeq ORF: 1719 bp

Locus ID: 216881

UniProt ID: Q80XH4

Cytogenetics: 11 B4

Product images:



Circular map for MG209009