

Product datasheet for **MG203631**

D4Wsu114e (BC017525) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	D4Wsu114e
Synonyms:	AA553001; AI853621; D4Wsu114e; IIP45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG203631 representing BC017525
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCAGAGACTAAAGACCCCGTTCGGCTTCGGCTGCTTAGCCTGGAGCTCCTGAAGCAGCTTTGGGCTG
GGCACGAAGCCATGTGTCGGTCGGTGGTGAGAGCAGCATCAGGGTCAAACCTGGATTGTAGCAGCAACAA
CTTAGAGATGCCACTGTCCCAAGAGACTTCTTCGGCTTCCTCAGTGGCCCCAGCTCACAGGACAAAAGA
CACATGTTGGACCACTGGACAGTCGTCGAGATGACACGTTTGATGTGGCCTGGTATGTCAAGTTCAACT
CCAGGATGGACTCTTTCCTACCTGCCACAGGCCAACACCAGGAGCCCCAGGAAGAACTACGGCCCCCTC
AGTACCCTTGCTAGCCACTCAGGGTCTGAAGGGGCCAGTGTCTTTGGGAGGACCAAAAGGTCTGGGACCT
GACAAGACACAGGTCCAAGGTCCATCCTGTACGACTAAGCAAGCCATCTAAGCCCAGAGTGACCTCCC
AGGAGTCTGCAGTGCCTGAGAGCAGCTGGCACTCTAGGCCATACCTAGGCTATGATTGGATTGCAGGGTC
CCTGGACAATAGCTCTCCAGTCACTAGTAGCCCCGAGGCCTTCTTCTATGCTGCAGAGGTTTCGAGAA
AACAACAAAGAGGATTGTGTTGCAACTCCCCTGAAGCTGTGTTCCAGGCCTGCAAGAGAGCAGCGGTG
TGGAAGAGGACCACGAGTGTGAGTGTCCACTTCACCAGGTGCGCTCTGAGCTGTGGACTCAGGAATGG
CAGCCTGGTATCTAAGCATTGTGGGATGCACCCCTGGCTTAGGGCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG203631 representing BC017525
 Red=Cloning site Green=Tags(s)

MAETKDPVRLRLLSLELLKQLWAGHEAMCRSVVRAASGSNLDSSNNLEPLSQETSSASSVAPSSQDKR
 HMLDPLDSRRDDTFDVAWYVKFNSRMDSFLPATGQHQPQEELRPPSVLLATQGLKGPVSLGGPKGLGP
 DKTQVPRSILSRLSKPSKPRVTSQESAVPESSWHSRPLYGYDWIAGSLDNSSPVTSEPEAFFSMLQRFRE
 NNKEDCVCNSPEAVFPGLESSGVEEDHECECLPPGRALSCGLRNGSLVSKHCGMHPGLGL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC017525

ORF Size: 816 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: [BC017525](#), [AAH17525](#)

RefSeq Size: 1898 bp

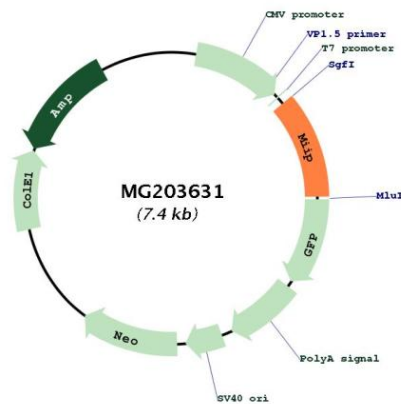
RefSeq ORF: 818 bp

Locus ID: 28010

Cytogenetics: 4 78.56 cM

Gene Summary: Inhibits glioma cells invasion and down-regulates adhesion- and motility-associated genes such as NFKB2 and ICAM1. Exhibits opposing effects to IGFBP2 on cell invasion (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203631