

Product datasheet for **MG214826**

Olf715b (NM_001162940) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Olf715b
Synonyms:	EG384732; ENSMUSG00000060503; Gm10081
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214826 representing NM_001162940
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATGCAGGCAAATCAGACACAGGTGACAGAATTTATTCTTCTGGGACTCTCTGATGACCCACACCC
AGAAGCTGCTATTCATCTTATTTCTGGGCATCTATATGGTCACTGTACTTGAAACCTATTTCTCATGTT
CCTTGTTGGGCTGACTCTCGGCTTACACACCCATGTATTTTTTCTGTGTAACCTGCTACTGGCTGAC
CTCTGCTTTTACCAACATTGTTCCACAGGCTCTCATCCATCTCCTTTCAAGGAAAAAGACTATTTTCAT
TTAGACGCTGTGCAGCCAGCTTCTGCTCTTTCTCATCTTTGGGTGTACACAATGTGCCCTTTTGGCTGT
GATGCTTTATGATCGGTATGTGGCTATCTGCAACCCCTTACATTACTCTAGCACCATGACATGGAGGGTG
TGTATCCAGCTGGCTACAGTGTGACTAGTGGCATTATTTAGTCTCTGTGGTGGACACCACTTTTACAC
TAAGACTTCCCTATCGAGGCAGCAACAGTATTGCTCACTTCTTTTGTGAGGCCCTGCACTTTTGGCCCT
GGCTTCTACAGACTCAAACCTCAGAGATGGCTATTTTCCCTCATGGGGTGGTGATTCTCCTTATACCT
GTCTCCCTAATTTCTGGTGTCTATGGCCATATCATAGTAACTGTTGTCAAGATGAAATCAGCTGCTGGGA
GGTTCAAGGCATTTTCTACCTGTGGCTCCACCTCATGGTTGTATCCTCTTTTATGGATCAGGGATTAT
CACCTACATGACCCCAAAGTCTTCCAAAGAACAGGAGAACTGGTGTCTGTCTTCTATGCAATGGTGACA
CCTATGCTTAATCCCTCATCTACAGCCTTAGGAACAAAGATGTAAGGGAGCTTTGTGAAAGTAGCCA
CGAAGAACTTCTCAAGCAGGCTTAGAATTACCCAC

ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG214826 representing NM_001162940
Red=Cloning site Green=Tags(s)

MMQANQTQVTEFILLGLSDDPHTQKLLFILFLGIYMTVLGNLFLMFLVRADSRSLHTPMYFFLCNLSLAD
 LCFSTNIVPQALIHLLSRKKTISFRRCQAQLLLFLIFGCTQCALLAVMSYDRYVAICNPLHYSSTMTWRV
 CIQLATVSWTSGILVSVVDTTFTLRLPYRGSNSIAHFFCEAPALLALASTDTQTSEMAIFLMGVVILLIP
 VSLILVSYGHIIVTVVKMKSAAGRFKAFSTCGSHLMVVILFYGSGIITYMTPKSSKEQEKLVSVFYAMVT
 PMLNPLIYSLRNKDVKGALWKVATKNFSSRLRITH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001162940

ORF Size: 945 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_001162940.1](#), [NP_001156412.1](#)

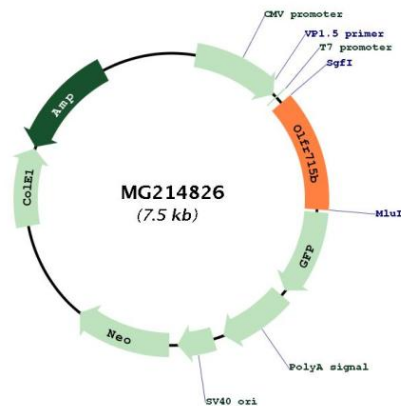
RefSeq Size: 948 bp

RefSeq ORF: 948 bp

Locus ID: 384732

Cytogenetics: 7 E3

Product images:



Circular map for MG214826