

Product datasheet for **MG207718**

Umps (NM_009471) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Umps (NM_009471) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Umps
Synonyms:	1700095D23Rik; AA408257; AL033308; BB164745
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207718 representing NM_009471
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTCGCCAGCCAAGCCCTGGGCCCTTGGTCACCGAGCTGTATGACGTGCAGGCTTTCAGTTTCG
 GGAGCTTCGTCCTGAAGAGCGGGCTCTCCTCCCCAGTCTACATCGACCTGCGGGGATCGTGTACAGCCC
 CGGTCTTCTCAGTCAGGTCGACAGACATTTTATTCCAGACTGCAAAAAATGCGGGGATCAGTTTTGACAGT
 GTGTGTGGAGTTCCTTATACAGCGTTACCACTGGCGACAGTTATCTGCTCAGCCAATCACATTCATGC
 TCATTAGGAGGAAGAAACAAAGGATTATGGTACCAAGCGCCTGTAGAAGGAGAGATTAATCCGGGCCA
 GACCTGTCTGGTATTGAGGACGTCGTACCAGCGGAGCCAGTGTGGAGACTGTGGAAGTCTTCAG
 AAGGAGGTCTAAAGTAACTGATGCCATAGTGTGTTGGACCGGAGCAGGGAGGCAAGGACAAGCTGC
 AGGCCAGGGATCCGCCTCCACGCCGTGTGCAGCTCTCCAAATGCTGGAGATTCTCCAGCAGCAGGA
 AAAGATCGACGCTGACATGGTCGGGAGAGTGAAGAGGTTTATTCCAGGAGAAGCTTTCTCAGCAGCTAAT
 CATAACGGTCTCCCCCTCTGAGAAGAAAGCGTGCAAAAGAACTAGCTTTGGTGTCTGAGCTGAGCTGC
 CTGGAACCCACCCGCTTGCCCTCAAAGTCTCCGGCTCATGCAGAGAAGGAGACCAATCTGTGTCTGTC
 TGCCGATGTGTGGAGGCCAGGGAGCTGTGCAGCTCGCAGACGCCTTGGGACCCAGCATCTGCATGCTC
 AAAACTCATGTGCACATTCTGAATGATTTACTCTGGATGTGATGGAGGAGTTGACAGCCCTGGCAAAAC
 GCCACGAGTCTTAATATTTGAAGACAGGAAATTCGCTGATATTGAAACACAGTTAAAAAGCAGTATGA
 AAGTGGCACCTTAAAAAGCTTACATGGGCAGATATAGTGAATGCTCACGTCGTGCCAGGCTCAGGAGTT
 GTGAAAGGCTTACAGGAAGTGGTCTGCCTTTACATCGAGCTGCCTGCTCATTGCAGAAATGAGCTCTG
 CTGGCTCCTTGGCCACTGGAACACACCAAGGCAGCAGTCGGGATGGCTGAGGAGCAGTGTGAATTTGT
 CATTGGCTTCAATTCGCTCCCGAGTAAGCATGAAACCAGAGTTTCTTCACTTGACCCAGGAGTTCAG
 TTAGAAACAGGAGGGATCACCTTGGCCAGCAGTACAATAGTCCCAAGAAGTATCGGGAAACGCGGTT
 CTGATGTCATCATTGTAGGCCGGGAATACTTGCAGCGGCTAACCCTAGAACGAGCTGAGATGTACAG
 GAAGGCTGCCTGGGAGGCATATCTGAGTAGGCTTGTCTGTTTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207718 representing NM_009471
 Red=Cloning site Green=Tags(s)

MEVASQALGPLVTELYDVQAFKFGSFVLKSGLSSPVYIDLRGIVSRPRLLSQVADILFQAKNAGISFDS
 VCGVPYALPLATVICSANHIPMLIRRKETKDYGTKRLVEGEINPGQTCLVIEDVVTSGASVLETVEVLQ
 KEGLKVTDAIVLLDREQGGKDKLQAQGIRLHAVCTLSQMLEILQQQEKIDADMVGRVYKRFIQENVFSAAN
 HNGLPPPEKKACKELSFGARAEPLGTHPLASKLLRLMQKKETNLCLSAADVSEARELLQLADALGPSICML
 KTHVDILNDFTLDMEEELTALAKRHEFLIFEDRKFADIGNTVKKQYESGTFKIASWADIVNAHVVPVGSV
 YKGLQEVGLPLHRACLLIAEMSSAGSLATGNYTKAAVGMAEHCEVFVIGFISGSRVSMKPEFLHLTPGVQ
 LETGGDHLGQYNSPQEVIGKRGSDVIIIVRGILAAANRLEAAEMYRKAWEAYLSRLAVQ

TRTRPLE - GFP Tag - V

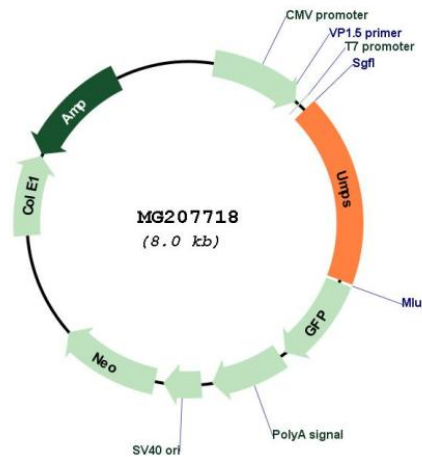
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009471

ORF Size: 1443 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_009471.3](#)

RefSeq Size: 3220 bp

RefSeq ORF: 1446 bp

Locus ID: 22247

UniProt ID: [P13439](#)

Cytogenetics: 16 B3