

## Product datasheet for **MR207718**

### Umps (NM\_009471) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Umps (NM_009471) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Umps
Synonyms:	1700095D23Rik; AA408257; AL033308; BB164745
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207718 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGGTCGCCAGCCAAGCCCTGGGCCCTTGGTCACCGAGCTGTATGACGTGCAGGCTTCAAGTTCCG  
 GGAGCTTCGTCTGAAGAGCGGGCTCTCCTCCCCAGTCTACATCGACCTGCGGGGATCGTGTACAGCCC  
 CGGTCTTCTCAGTCAGGTCGACACATTTTATTCCAGACTGCAAAAAATGCGGGGATCAGTTTTGACAGT  
 GTGTGTGGAGTTCCTTATACAGCGTTACCACTGGCGACAGTTATCTGCTCAGCCAATCACATCCCATGC  
 TCATTAGGAGGAAGAAACAAAGGATTATGGTACCAAGCGCCTTGTAGAAGGAGAGATTAATCCGGGCCA  
 GACCTGTCTGGTCATTGAGGACGTCGTACCAGCGGAGCCAGTGTGGAGACTGTGGAAGTCTTCAG  
 AAGGAGGGTCTAAAGTAACTGATGCCATAGTGTGTTGGACCGGAGCAGGGAGGCAAGGACAAGCTGC  
 AGGCCAGGGGATCCGCCTCCACGCCGTGTCACGCTCTCCAAATGCTGGAGATTCTCCAGCAGCAGGA  
 AAAGATCGACGCTGACATGGTCGGGAGAGTGAAGAGGTTTATTCCAGGAGAAGCTTTCTCAGCAGCTAAT  
 CATAACGGTCTCCCCCTCTGAGAAGAAAGCGTGCAAAAGAACTAGCTTTGGTGTCTGAGCTGAGCTGC  
 CTGGAACCCACCCGCTTGCCCTCAAAGCTGCTCCGGCTCATGCAGAAGAAGGAGACCAATCTGTGTCTGC  
 TGCCGATGTGTGGAGGCCAGGGAGCTGCTGCAGCTCGCAGACGCCTTGGGACCCAGCATCTGCATGCTC  
 AAAACTCATGTCGACATTCTGAATGATTTACTCTGGATGTGATGGAGGAGTTGACAGCCCTGGCAAAAC  
 GCCACGAGTTCCTAATATTTGAAGACAGGAAATTCGCTGATATTGGAAACACAGTTAAAAAGCAGTATGA  
 AAGTGGCACCTTTAAAAAGCTTCAAGGAGGAGTGGTCTGCCTTTACATCGAGCCTGCCTGCTATTGCAGAAATGAGCTCTG  
 GTGAAAGGCTTACAGGAAGTGGTCTGCCTTTACATCGAGCCTGCCTGCTATTGCAGAAATGAGCTCTG  
 CTGGCTCCTTGGCCACTGAAACTACACCAAGGCAGCAGTCGGGATGGCTGAGGAGCACTGTGAATTTGT  
 CATTGGCTTCAATTTCTGGCTCCCGAGTAAGCATGAAACCAGAGTTTCTTCACTTGACCCAGGAGTTTCAG  
 TTAGAAACAGGAGGGATCACCTTGGCCAGCAGTACAATAGTCCCAAGAAGTATCGGGAAACGCGGTT  
 CTGATGTCATCATTGTAGGCCGGGAATACTTGCAGCGGCTAACCGCCTAGAAGCAGCTGAGATGTACAG  
 GAAGGCTGCCTGGGAGGCATATCTGAGTAGGCTTGTCTGTTCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207718 protein sequence  
 Red=Cloning site Green=Tags(s)

MEVASQALGPLVTELYDVQAFKFGSFVLKSGLSSPVYIDLRGIVSRPRLLSQVADILFQAKNAGISFDS  
 VCGVPYALPLATVICSANHIPMLIRRKETKDYGTKRLVEGEINPGQTCLVIEDVVTSGASVLETVEVLQ  
 KEGLKVTDAIVLLDREQGKDKLQAQGIRLHAVCTLSQLMELILQQQEKIDADMVGRVKRFIQENVFSAAN  
 HNGLPPPEKKACKELSFGARAELPGTHPLASKLLRLMQKKTNLCLSAADVSEARELLQLADALGPSICML  
 KTHVDILNDFTLDMEELTALAKRHEFLIFEDRKFADIGNTVKKQYESGTFKIASWADIVNAHVVPVGSV  
 VKGLQEVGLPLHRAELLIAMSSAGSLATGNYTKAAVGMAEHCEFVIGFISGSRVSMKPEFLHLPVGVQ  
 LETGGDHLGQQYNSPQEVIGKRGSDVIIVGRGILAAANRLEAAEMYRKAWEAYLSRLAVQ

**TR**TRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: NM\_009471

ORF Size: 1446 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: 3219 bp

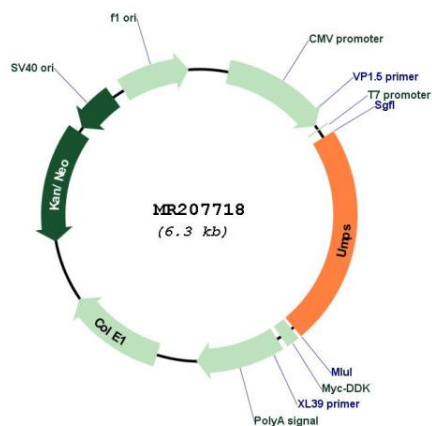
RefSeq ORF: 1446 bp

Locus ID: 22247

UniProt ID: [P13439](#)

Cytogenetics: 16 B3  
 MW: 52.3 kDa

**Product images:**



Circular map for MR207718