

Product datasheet for **RR210835**

Umps (NM_001025402) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Umps (NM_001025402) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Umps
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR210835 representing NM_001025402
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGTCGCCCCCAAGCCCTGGGCCCTTGGTCACCGAGCTGTATGACGTGCAGGCTTTCAGTTTCG
 GGAGCTTCGTGCTGAAGAGCGGGCTCTCCTCCCACTACATCGACCTGCGGGGATCGTGTACGCCC
 CGGTCTTCTCAGTCAGGTCGACACATTTTATTCCAACTGCCAGGAATGCCGGGATCAGTTTTGACAGT
 GTGTGTGGAGTTCCTTATACAGCGTTACCACTAGCAACAGTTATCTGTTACGCAATCATATCCCATGC
 TCATTAGGAGGAAGAAACAAAGGATTATGGTACTAAGCGCTTGTAGAAGGAGAGATTAATCCGGGGCA
 GACCTGTCTGGTCATCGAGGATGTCGTACCAGTGGGGCCAGCGTTTTGGAGACTGTTGAAGTCTTCAG
 AAGGAGGTCTAAAGGTGACTGATGCCATCGTGTGTTGGACCGGAGCAGGGAGGCAAGGACAAGCTGC
 AGGCTCAGGGCATCCGTCTCCACTCTGTGTGCAGTGTGCGAAATGCTGGAGATCCTTGAGCAGCAGAA
 AAAGATCGACGCTGAGATGGTCGGGAGAGTGAAGAGGTTCAATCAGGAGAATGTGTTACAGCAGCTAAC
 CATAATGGCGTTCCTCCCGAGAAGAAAGCATGCAAGGAACTGAGCTTTGGCGCCGAGCAGAGCTGC
 CTGGAGTCCACCACTTGCCCTCAAAGCTTCTCACGCTCATGCAGAGAAGGAGACCAATCTGTGTCTGTC
 TGCTGACGTGTGCGGAGGCCAGAGAGCTGCTGCAGCTAGCCGATGCCCTAGGACCCAGCATCTGCATGCTC
 AAAACTCATGTCGATATTTCTGAACGATTTACTCTGGATGTGATGGAGGAGTTGACAACCTGGCAAAAC
 GCCATGAGTTTTTAATATTTGAAGACAGGAAATTTGCTGATATAGGAAACACAGTTAAAAAGCAGTATGA
 AAGTGGCATCTTAAAAAGCTTCTGGCAGACGTAGTGAATGCCATGTGGTCCAGGCTCAGGAGTT
 GTGAAGGGCTTACAGGAAGTGGTCTGCCTTTACATCGAGCCTGCCTGCTCATTGCAGAAATGAGCTCTG
 CTGGCTCCTTGGCCACTGGAGACTACACAAAGCAGCAGTTGGGATGGCTGAGGAGCAGCTGTGATTTGT
 CATTGGCTTTATTTCTGGCTCCCGAGTAAGCATGAAACCGGAGTTTCTTCACTTGACCCAGGAGTTCAG
 TTAGAGACAGGAGGGATCACCTTGCCAGCAGTACAATAGTCCCAAGAAGTGGTTGGTAAACGAGTT
 CTGATGTCATCATTGTGGCCGGGGAATACTCGCAGCAGCAAACCGCCTGGAAGCAGCTGAGATGTACAG
 AAAAGTGCCTGGGAAGCTTATTTGAGTAGGCTTGTGTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210835 representing NM_001025402
 Red=Cloning site Green=Tags(s)

MEVARQALGPLVTELYDVQAFKFGSFVLKSGLSSPVYIDLRGIVSRPRLLSQVADILFQTARNAGISFDS
 VCGVPYALPLATVICSANHIPMLIRRKETKDYGTKRLVEGEINPGQCLVIEDVVTSGASVLETVEVLQ
 KEGLKVTDAIVLLDREQGKDKLQAQGIKRLHSVCTLSEMLEILEQQKIDAEMVGRVKRFIQENVFTAAN
 HNGVPPPEKKACKELSFGARAEPLGVHPLASKLLTLMQKKTNLCL SADVSEARELLQLADALGPSICML
 KTHVDILNDFTLDMEEELTLAKRHEFLIFEDRFADIGNTVKKQYESGIFKIASWADVNAHVVPVSGV
 YKGLQEVGLPLHRACLLIAEMSSAGSLATGDYTKAAVGMAEHCFVIGFISGSRVSMKPEFLHLPVGVQ
 LETGGDHLGQQYNPQEVVVKRGSVDVIVVGRGILAAANRLEAAEMYRKAWEAYLSRLAVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

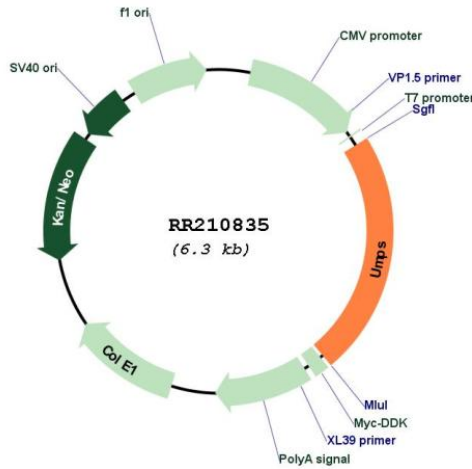
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001025402

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_001025402.1](#), [NP_001020573.1](#)

RefSeq Size: 1637 bp

RefSeq ORF: 1446 bp

Locus ID: 288051

Cytogenetics: 11q22

MW: 52.4 kDa