

Product datasheet for **MC221822**

Usp6nl (NM_001080548) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp6nl (NM_001080548) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp6nl
Synonyms:	AI316785; mKIAA0019; RNTRE; TRE2NL
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221822 representing NM_001080548
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATTCGACCAGGATGTAGCACTCAAACCTGTCTAAGAACGAGCTGAAATAGTTGCTAAATATGACA
 GAGGGCGGAAGGTGCAGAGATCGAGCCCTGGGAAGATGCTGATTATCTTGTTTACAAAAGTCACCGATAG
 ATTTGGCTTTTTACATGAGGAGGAGCTCCCATACCATAATGCAGCTGCGGACCGGCAAAAAGCAACTGGAA
 ATCGAAAGGACTTCCAAGTGGCTGAAAAATGCTGAAAAAATGGGAGAGATACAAGAACACCGAGAAGTTTC
 ATCGACGAATTTACAAAGGAATTCACCTCCAGCTCCGAGGTGAAGTCTGGGCTCTTCTTCTTGAGATCCC
 TAAATGAAAGAAGAAACAAGAGACCTTTATAGTAAATTTAAAACACAGAGCACGGGGTTGTTACCTGAT
 ATCAGACAAAATAGACCTTGACGTGAACCGCACATTCAGGGACCATATTATGTTTAGAGACAGATACGGTG
 TTAAGCAACAGTCTTATCCATGTTCTCGCTGCTTATTCTATCTATAATACGGAAGTCGGGTACTGCCA
 AGGGATGAGTCAGATCACGGCCTTGCTCCTCATGTACATGAACGAGGAAGACGCCTTCTGGGCCCTGGTC
 AAGCTCTTCTCGGCCCAAGCACGCAATGCACGGTTTTTTTTGTCCAAGTTTTCTCAAACCTCTTGAGAT
 TTCAAGAACATCATGAGAAAATTTCTGAACAAATTTTTGTCCAACCTTAAGCAGCAGCTGGATTCTCAAGA
 AATCTACACAAGTTTTTACACAATGAAATGGTTTTTTCAGTGTTCCTTGATCGAACTCCCTTCAGGCTG
 AACCTCAGGATATGGGACATCTATATCTTTGAAGGAGAGCGAGTCCTTACTGCTATGCTTACACAACTCT
 TGAAACTACACAAAAGCATCTGATGAAGTTGTCTATGGAAGAAGTTGTAGAATTTCTTCAGGAGACTCT
 CGCCAAGGATTTTTCTCGAGGATGATTTGTAATAGAGCAACTCAAGTTTCTATGCCAGAAGTAAAG
 CGGGCAAAGTTAGATCTCCAGAGCCTGGTAAGGAGGATGAATATCCAAGAAACCCCTTGGGCCAGCTTC
 CACCTGAGTCTGCTTGTGTTAATCACTTGAGCAACGGACAAAGAAGTGTGGCCGGCCACGCCCAAAAC
 AAGCAGCAGGAGAGAAGATGGATCGCCTCGCAAGAACCATGAGCACTCTCCTGTCCATCACAGTAGAAAC
 GGCACACCAGAAAAGAGCCGGCCAGTCACGGCGGAAGTCCGTGGATGAGGGGAGTAAAAATCTCAAGCATG
 AGGCAGAGTCTCAGAGAAAACCTTCACCGGTATGCAGGACAGTTCAGACACTATAACCATGCAGCTGC
 TAACCAAAATAGCAATGCAATTTCAAACGTCAGGAAGGAATTTATGCCCAAGTGGAGAAAACCATCAGAT
 GCCTCAGTATTGAAAGAACTACTAAATATGCCGTGCAAGGCAAAAAGTCACTCAGCTCTTCCCGCTCTC
 CCGTCGCCATCCAGGCTCTGCTGAGACCCGATTGCCAACTCAAGGCAGAAGATGAAGGCTTTGGATGG
 GGGTGAAGGGAAGCGGGTTCTAACGCTCCCAGTATGACAACGTGCCTGGGGTGAGAGTGAGCATGGG
 GCATCTGCGGAAGAGGGACCAGAGCGGACTCACCTCACAGTCCAAGGAAGCACCCGGAGCCAAGTCCCA
 GTCTCCAAAAGTACCAACAAGTTTACGTTTAAAGTGCAGCCTCCAGCCATGTACGATACCCACCCCA
 GCTACCAGAGGAGGACCACAGAGCTGCATATCCACCCTCTACAGCAACCCCTGTCTACCATGGAAT
 TCTCCAAAACACGTCCCTACTGCTCACAGTGGTTTTGTGTCTACACAGATCAGCCCCAGGCTCAAATTA
 ACCCTTCAGGAGACCTTACGGTTCCTCTCTTTCAGTTGACACTTCTCCAGAGAAAAGCTACAGCCGCC
 AACTCCTGTTGTTCTGCCTCTAGTCGAATTGAAGTCCTCCCATTGACATGGGTGCCAGGGGCTACGGC
 AGTTCGGGGTACCAAGAATGGACAGTTCATCCTTCTCCGGTGGACTATTTGCCAGAGAACAGAAAAT
 GGTCAGAAGTTAGTTACACATACAGACCGGAGATGCATGGCCAATCATGGACTCGGGATGCTCACCGTAG
 CCACTTAAGCAATTTACCAAACTATGCAGCCTTTCAGCACATACCGTTTTCAGGCCATGGCCTTCCAGAA
 GTGTCTGTAGACAGTCCAGTGAAGTATAAGATGTCTGCAGCTGTGGAAGATGCCAGTCTCCTGGGTATC
 CATATGCAGGGCCCTCACCTCCGCACATCACTACAGAAATGGAGAGGGACTTTCTGTGCAGGAATCAGT
 GTTGCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001080548
Insert Size: 2460 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_001080548.1 , NP_001074017.1
RefSeq Size:	4824 bp
RefSeq ORF:	2460 bp
Locus ID:	98910
UniProt ID:	Q80XC3
Cytogenetics:	2 A1
Gene Summary:	Acts as a GTPase-activating protein for RAB5A and RAB43. Involved in receptor trafficking. In complex with EPS8 inhibits internalization of EGFR. Involved in retrograde transport from the endocytic pathway to the Golgi apparatus. Involved in the transport of Shiga toxin from early and recycling endosomes to the trans-Golgi network. Required for structural integrity of the Golgi complex (By similarity).[UniProtKB/Swiss-Prot Function]