

## Product datasheet for **MC222013**

### **Usp6nl (NM\_181399) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Usp6nl (NM_181399) 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:** >MC222013 representing NM\_181399  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATTCAAGTCTTGACGCTTGTAAAGGAGCTGGTGACACCGTCCAGGCAGAAGGCACACAGCGAAGG  
 AAGATTCCGACCAGGATGTAGCACTCAAACCTTGCTCAAGAACGAGCTGAAATAGTTGCTAAATATGACAG  
 AGGGCGGGAAGGTGCAGAGATCGAGCCCTGGGAAGATGCTGATTATCTTGTTTACAAAGTACCCGATAGA  
 TTTGGCTTTTTACATGAGGAGGAGCTCCCATACCAATATGCAGCTGCGGACCGGCAAAAGCAACTGGAAA  
 TCGAAAGGACTTCCAAGTGGCTGAAAAATGCTGAAAAAATGGGAGAGATACAAGAACCAGAGAAAGTTTCA  
 TCGACGAATTTACAAAGGAATCCACTCCAGCTCCGAGGTGAAGTCTGGGCTCTTCTTCTTGAGATCCCT  
 AAAATGAAAGAAGAAACAAGAGACCTTTATAGTAAATTAACACAGAGCACGGGTTGTTACCTGATA  
 TCAGACAAATAGACCTTGACGTGAACCGCACATTCAGGGACCATTATGTTTAGAGACAGATACGGTGT  
 TAAGCAACAGTCTTATCCATGTTCTCGCTGCTTATTCTATCTATAATACGGAAGTCGGTACTGCCAA  
 GGGATGAGTCAGATCACGGCCTTGCTCCTCATGTACATGAACGAGGAAGACGCCTTCTGGGCCCTGGTCA  
 AGCTCTTCTCGGGCCCCAAGCACGCAATGCACGGTTTTTTTTGTCCAAGTTTTCTAAACTCTTGAGATT  
 TCAAGAACATCATGAGAAAATCTGAACAAATTTTTGTCCAAACTAAGCAGCACTTGGATTCTCAAGAA  
 ATCTACACAAGTTTTACACAATGAAATGGTTTTTTTTCAGTGTTCCTTGATCGAACTCCCTTCAGGCTGA  
 ACCTCAGGATATGGGACATCTATATCTTTGAAGGAGAGCGAGTCTTACTGCTATGTCTTACACAATCTT  
 GAAACTACAAAAAGCATCTGATGAAGTTGCTATGGAAGAAGTGTAGAATTTCTTCAGGAGACTCTC  
 GCCAAGGATTTTTCTTCGAGGATGATTTTGTAAATAGAGCAACTCAAGTTTCTATGGCAGAACTAAAGC  
 GGGCAAAGTTAGATCTCCAGAGCCTGTTAAGGAGGATGAATATCCAAAGAAACCTTGGGGCAGCTTCC  
 ACCTGAGTCTGCTTGTGTTAATCACTTGAGCAACGGACAAGAAGTGTGGCCGGCCAGCCCCAAAACA  
 AGCAGCAGGAGAGAAGATGGATCGCCTCGCAAGAACCATGAGCACTCTCCTGTCCATCACAGTAGAAACG  
 GCACACCAGAAAGAGCCGGCCAGTCAAGCGGAAGTCCGTGGATGAGGGGAGTAAAAATCTCAAGCATGA  
 GGCAGAGTCTCAGAGAAAACCTTCAACGGGTATGCAGGACAGTTCAGACACTATAAACCATGCAGCTGCT  
 AACCAAAATAGCAATGCAATTTCAAACGTCAAGGAAGGATTTATGCCAAGTGGAGAAAACCATCAGATG  
 CCTCAGCTATTGAAAGAACTACTAAATATGCCGTGCAAGGCAAAAGTCACTCAGCTCTTCCCGCTCTTCC  
 CGTCGCCATCCCAGGCTCTGCTGAGACCCGATTGCCAACTCAAGGCAGAAGATGAAGGCTTTGGATGGG  
 GGTGAAGGGAAGCGGGTTCTAACGCTTCCAGTATGACAACGTGCTGGGGGTGAGAGTGAAGCATGGGG  
 CATCTGCCGAAGAGGGACAGAGCGGACTACCCTCACAGTCCAAGGAAGCACCCGGAGCCAAGTCCCAG  
 TCCTCCAAAAGTACCAACAAGTTTACGTTTAAAGTGCAGCCTCCAGCCATGTACGATACCCACCCAG  
 CTACCAGAGGAGGACCACAGAGCTGCATATCCACCCTCCTACAGCAACCCCTGTCTACCATGGAAT  
 CTCCAAAACACGTCCCTACTGCTCACAGTGGTTTTGTGTCTACACAGATCAGCCCCAGGCCCTCAAATTA  
 CCCTTCCAGGAGACCTTACGGTTCTCTCTTTCAGTTGACACTTCTCCAGAGAAAGCCTACAGCCGCCCA  
 ACTCCTGTTGTTCTGCCCTCTAGTCGAATTGAAGTCTTCCATTGACATGGGTGCCAGGGGCTACGGCA  
 GTTCGGGGTCAACAAAGAATGGACAGTTCATCCTTCTCCGGTGGACTATTTGCCAGAGAACAGAAAATG  
 GTCAGAAGTTAGTTACACATACAGACCGGAGATGCATGGCCAATCATGGACTCGGGATGCTCACCCTAGC  
 CACTTAAGCAATTTACCAAACTATGCAGCCTTTCAGCACATACCGTTTTCAGGCCCATGGCCTTCCGAAG  
 TGCTGTAGACAGTCCAGTGAAGTATAAGATGTCTGCAGCTGTGGAAGATGCCAGTCTCCTGGGTATCC  
 ATATGCAGGGCCCTCACCTCCGCACATCACTACAGAAATGGAGAGGGACTTTCTGTGCAGGAATCAGTG  
 TTGCTGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_181399  
**Insert Size:** 2529 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_181399.3</a> , <a href="#">NP_852064.2</a>
<b>RefSeq Size:</b>	4663 bp
<b>RefSeq ORF:</b>	2529 bp
<b>Locus ID:</b>	98910
<b>UniProt ID:</b>	<a href="#">Q80XC3</a>
<b>Cytogenetics:</b>	2 A1
<b>Gene Summary:</b>	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]