

Product datasheet for **MC216119**

Ush1g (NM_176847) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ush1g (NM_176847) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ush1g
Synonyms:	j; js; Sans
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216119 representing NM_176847
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGACCAGTATCACCGGGCCGCCAGGGATGGCTATCTGGAACCTCTCAAGGAGGCCACCCGGAAGG
 AGCTGAATGCCCCCTGACGAGGATGGCATGACCCGACTCTCTGGGCTGCCTACCATGGCAACCTGGAGTC
 TCTGCGCCTCATTGTGAGCCGCGGGGTGACCCGATAAGTGTGACATCTGGGAAAACACACCCTTGCAT
 CTGGCAGCTTCCAATGGTCACCTGCACTGCCTGTCTTCTCTCGTCTCCTTCGGGGCAACATCTGGTGCC
 TGGACAATGACTACCACACGCCACTGGACATGGCCGCTATGAAGGGCCACATGGAGTGCCTACGCTATCT
 GGATTCATCGCGGCCAAGCAGAGCAGCCTCAACCCCAAGCTGGTGGCAAGCTGAAGGACAAGGCCTTC
 CGCGAGGCAGAGCGGCATCCGCGAGTGCCTAAGATGCAGCGCAAGCACCACGAGCGCATGGAGCGGC
 GCTACCGCGCGAGCTGGCCGAGCGCTCCGACACTCTCAGCTTCTCCAGCCTCACGTCCAGCACCCCTGAG
 CCGACGGCTGCAGCACATGACGCTGGGCAGCCAGCTGCCCTACTCGCAGGCCACGCTGCACGGTACGGCC
 AAGGGCAAGGCCAAGATCCAGAAGAAGCTGGAGAGGCCAAGCAGGGGGCGAGGGCACCTTCAAGGTCT
 CTGAGGACGGGGCAAAAAGCGTCCGATCGCTCTCCGGCCTGCAGTTGGGTAGTGTATGTATGTTTGTGCG
 CCAGGGCACCTACGCCAACCCCAAGGAGTGGGGCCGTGCCCCACTCAGGGACATGTTCTCTCGGACGAG
 GACAGCGTCTCCCGTCCACACTGGCTGCCGAGCCTGCTCACTCGGAGGTGAGCACCAGCTCAGGCCACG
 ACTCTTTGTTTACCCGCCCGGCTGGGTACCATGGTGTTCGAAGAACTATGTGAGCAGCGGGTTGCA
 CGGGCTGGGCGAGAGGACGGGGTTTGGATGGGGCAGGCACGCCGCGGGGTGGCTGCATAGTTCCCCC
 AGCCTGGACGACGACAGCCTAGGCAGTGCCAACAGCTTGACAGGCCAGTTGCGGGGAAGAGCTGCCCT
 GGGATGAGCTAGACTTGGCTTGGATGAGGACCTGGAGCCGAGACCAGCCCTTGGAGACCTTCTGTCGC
 CTCGCTGCACATGGAAGACTTTGCCTCTCTCGCGCACGAGAAGATTGACCTGGAGGCTCTGATGCTG
 TGCTCTGACCTGGACCTGCGCAGCATCAGCGTGCCTTGGGGCCTCGGAAGAAGATCCTGGGGCCGTGA
 GGAGGCGCAGGCAGGCTCTGGAGCGACCCTGGCCCTGGAGGACACGGAGCTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_176847

Insert Size: 1386 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:**
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_176847.3](#), [NP_789817.1](#)

RefSeq Size: 3183 bp

RefSeq ORF: 1386 bp

Locus ID: 16470

UniProt ID: [Q80T11](#)

Cytogenetics: 11 80.84 cM

Gene Summary: This gene encodes a protein that contains three ankyrin domains, a class I PDZ-binding motif and a sterile alpha motif. The encoded protein interacts with harmonin, which is associated with Usher syndrome type 1C. This protein plays a role in the development and maintenance of the auditory and visual systems and functions in the cohesion of hair bundles formed by inner ear sensory cells. Mutations in this gene are associated with combined auditory and vision loss. [provided by RefSeq, Sep 2015]