

Product datasheet for **SC306638**

USHIC (NM_153676) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	USHIC
Synonyms:	AIE-75; DFNB18; DFNB18A; NY-CO-37; NY-CO-38; PDZ-45; PDZ-73; PDZ-73/NY-CO-38; PDZ73; PDZD7C; ush1cpst
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:

>OriGene sequence for NM_153676 edited
 GGCCCGGTGCGGTCGCGGCTCTTTCCAGCTCCTGGCAGCCGGGCACCCGAAGGAACGGG
 TCGTGCAACGACGACGCTGGACCTGGCCAGCCATGGACCGAAAAGTGGCCCGAGAATTC
 CGGCATAAGGTGGATTTTCTGATTGAAAATGATGCAGAGAAGGACTATCTCTATGATGTG
 CTGCGAATGTACCACCAGACCATGGACGTGGCCGTGCTCGTGGGAGACCTGAAGCTGGTC
 ATCAATGAACCCAGCCGTCTGCCTCTGTTTGATGCCATTGCGCCGTGATCCCCTGAAG
 CACCAGGTGGAATATGATCAGCTGACCCCCGGCGCTCCAGGAAGCTGAAGGAGGTGCGT
 CTGGACCGTCTGCACCCGAAGGCCTCGGCCTGAGTGTGCGTGGTGGCCTGGAGTTTGGC
 TGTGGGCTCTTCATCTCCACCTCATCAAAGCGGTGACGCAGACAGCGTGGGCTCCAG
 GTAGGGGACGAGATCGTCCGGATCAATGGATATTCATCTCCTCTGTACCCATGAGGAG
 GTCATCAACCTCATTGCAACCAAGAAAAGTGTGCCATCAAAGTGAGACACATCGGCCTG
 ATCCCCGTGAAAAGCTCTCCTGATGAGCCCTCACTTGGCAGTATGTGGATCAGTTTGTG
 TCGGAATCTGGGGCGTGCAGGCAGCCTGGGCTCCCCTGGAATCGGGAACAAGGAG
 AAGAAGGTCTTCATCAGCCTGGTAGGCTCCCGAGGCCTTGGCTGCAGCATTTCAGCGGC
 CCCATCCAGAAGCCTGGCATCTTTATCAGCCATGTGAAACCTGGCTCCCTGTCTGTGAG
 GTGGGATTGGAGATAGGGGACCAGATTGTGCAAGTCAATGGCGTCACTTCTTAACCTG
 GATCACAAGGAGGCTGTAATGTGCTGAAGAGTAGCCGAGCCTGACCATCTCCATTGTA
 GCTGCAGCTGGCCGGGAGCTGTTATGACAGACCGGGAGCGGCTGGCAGAGGCGCGCAG
 CGTGAGCTGCAGCGGCAGGAGCTTCTATGCAGAAGCGGCTGGCGATGGAGTCCAACAAG
 ATCCTCCAGGAGCAGCAGGAGATGGAGCGCAAGGAGAAAAGAAATTGCCAGAAGGCA
 GCAGAGGAAAATGAGAGATACCGGAAGGAGATGGAACAGATTGTAGAGGAGGAAGAGAAG
 TTTAAGAAGCAATGGGAAGAAGACTGGGGCTCAAAGGAACAGCTACTCTTGCCTAAAACC
 ATCACTGCTGAGGTACACCCAGTACCCCTTCGCAAGCCAAAGTCTTTTGGATGGTTTTAT
 CGTTACGATGGCAAATCCCAACCATCCGGAAGAAAGGAAAAGATAAGAAGAAAGCCAAG
 TATGGCAGCCTGCAGGACTTGAGAAAGAATAAGAAAGAACTGGAGTTTGAGCAAAAGCTT
 TACAAGAGAAAGAGGAAAATGCTGGAGAAGGAAAGCAGCTAAAGATCAACCGGCTGGCC
 CAGGAGGTGTCTGAGACAGAGCGGGAAGACCTTGAAGAATCGGAAAAGATTCAATATTGG
 GTGGAGAGGCTCTGTCAAACGCGCCTCGAGCAGATTTCTCTGCTGATAATGAGATTTC
 GAGATGACCACAGGGCCCCCGCTCCCCCGCTTCTGTGTCTCCCCTGGCCCCACCCTTG
 AGACGCTTCGACAGGCGGACTGCACCTGCACACCACTGACCTGGACGACATCCCTTTGGAC
 ATGTTCTACTATCCCCCAAGACTCCCTCTGCCTTGCTGTGATGCCCCACCCTCCACCC
 TCCAACCCACCCCAAGAGTCCCGGCGCCCTGTCTTCCCTTATCTGGCCATGTGAGC
 GCCTCATCCTCTCCATGGGTGCAGCGCACTCCACCCCCCATTCCTATCCCTCCCCGCCA
 TCCGTTCCCAACCAAGACCTCACTCCACCCGCCCCTGCCCTCGGCGCTGGAAGAAGCA
 CTGAGCAACCATCCCTTCGCACTGGGACACAGGCAATCCAGTGGAGGACTGGGAGGCA
 AAGAACCACAGTGGGAAGCCCACTAACTCCCTGTCCCTGAACAGAGCTTCCACCCACC
 CCAAAGACATTTTGCCCAAGCCACAGCCTCCACGAGGCCCTGGCGTGTCCACCATCTCC
 AAACCTGTGATGGTCCACCAGGAGCCCAATTTCTATCTACAGGCCAGCTGTGAAATCTGAA
 GTTCTGCCACAGGAGATGTTGAAGAGGATGGTGGTTTATCAGACAGCATTGAGACAAGAT
 TTCCGGAATATGAGGAAGGCTTTGACCCCTACTCTATGTTACCCCAAGCAGATCATG
 GGGAAGGATGTCCGGCTCTACGCATCAAGAAGGAGGATCCTTAGACCTGGCCCTGGAA
 GGCGGTGTGGACTCCCCATTGGGAAGGTGGTCGTTTCTGCTGTGATGAGCGGGGAGCT
 GCTGAGCGGCATGGTGGCATTGTGAAAGGGGACGAGATCATGGCAATCAACGGCAAGATT
 GTGACAGACTACACCTTGCTGAGGCTGAGGCTGCCCTGCAGAAGGCCTGGAATCAGGGC
 GGGGACTGGATCGACCTTGTGGTTGCCGTCTGCCCCCAAAGGAGTATGACGATGAGCTA
 GCTTCTCTTCCCTCCTCGTAGCTGAAAGCCCCAACCGGTCCGAAAGCTCCTTGAAGAC
 CGTGCTGCCGTGCACAGACACGGGTTCTCTGACGCTGGAGCCACGGACCTTCTTCTG
 AAGTCCAAAAGGGGAAACCAATTCACCGTTAG

Restriction Sites:

Please inquire

ACCN:

NM_153676

Insert Size:

2800 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_153676.2.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_153676.2 , NP_710142.1
RefSeq Size:	3250 bp
RefSeq ORF:	2700 bp
Locus ID:	10083
UniProt ID:	Q9Y6N9
Cytogenetics:	11p15.1
Gene Summary:	This gene encodes a scaffold protein that functions in the assembly of Usher protein complexes. The protein contains PDZ domains, a coiled-coil region with a bipartite nuclear localization signal and a PEST degradation sequence. Defects in this gene are the cause of Usher syndrome type 1C and non-syndromic sensorineural deafness autosomal recessive type 18. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009] Transcript Variant: This variant (b3) encodes the longest isoform (b3). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.