

Product datasheet for **SC336653**

USH1C (NM_001297764) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USH1C (NM_001297764) Human Untagged Clone
Tag:	Tag Free
Symbol:	USH1C
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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001297764
Insert Size:	1602 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:	<u>NM_001297764.1</u>
RefSeq Size:	2180 bp



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RefSeq ORF: 1602 bp

Locus ID: 10083

UniProt ID: [Q9Y6N9](#)

Cytogenetics: 11p15.1

MW: 60.3 kDa

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 (3) has multiple differences in the coding region, compared to variant b3, one of which results in a translational frameshift. The resulting protein (isoform c) has a distinct C-terminus and is shorter than isoform b3.