

Product datasheet for SC303881

USH2A (NM_007123) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USH2A (NM_007123) Human Untagged Clone
Tag:	Tag Free
Symbol:	USH2A
Synonyms:	dj1111A8.1; RP39; US2; USH2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_007123, the custom clone sequence may differ by one or more nucleotides

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ATGAATTGCCAGTTCCTTCATTGGGCTCTGGCTTCTGTTCAGGTCATTGAAATGTTG
ATCTTTGCCTATTTTGCTTCAATATCCTTGACTGAGTCACGAGGCTTTTCCCAAGGCTG
GAGAACGTGGGAGCTTTCAAGAAAGTTCCATCGTGCCAACCAAGCAGTATGTGGACTC
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CAGCGGTTTTGTATTGAGATTGCCATACAGATCTTCACACCCTACCTACTGCCCTT
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GAGAGCTTCACTGAAGGACTTCATTGTGATCGCTGCTTGCCTCTTTATAATGACAAGCCT
TTCCGCCAAGGTGATCAAGTTTACGCTTCAATTGTAACCTTGTCAATGCAACAGCCAT

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TCCAAAAGCTGCCATTACAACATCTCTGTAGACCCATTTCTTTTTGAGCACTTCAGAGGG
 GGAGGAGGAGTTTGTGATGATTGTGAGCATAACACTACAGGAAGGAACTGTGAGCTGTGC
 AAGGATTACTTTTTCCGACAAGTTGGTGCAGATCCTTCGGCCATAGATGTTTGCAAACCC
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 CAAACAATGACAACCATCACTGGCTTGGAGCCATACACCAAGTATGAGTTCAGAGTCTTA
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 TCTGGGAGAAGCCAGCAGATAATGTTACAAGAGGAAAAGTTGTGGGGTATGACATCAAT
 ATGCTTTCTGAACAATCACCTCAACAGTCTATTCCCATGGCGTTTTTACAGCTGTTGCAC
 ACTGCTAAATCCCAAGAACTATCTTACACTGTAGAAGGACTGAAACCTTATAGGATATAT
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 CAGCTGGAAGGAGAGAGTCTCTACCAGCTCTGATGACCACGATGATGAAAGGAATC
 CGTTTCATAGGAAATGGGTATTGTAATTTCCAGCTCCACTCACCCAGTCAATACAGAC
 TCACTGGTAAGTGTGTTTGA

Restriction Sites:

Please inquire

ACCN:

NM_007123

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_007123.4</u> , <u>NP_009054.4</u>
RefSeq Size:	6332 bp
RefSeq ORF:	4641 bp
Locus ID:	7399
UniProt ID:	<u>O75445</u>
Cytogenetics:	1q41
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a protein that contains laminin EGF motifs, a pentaxin domain, and many fibronectin type III motifs. The protein is found in the basement membrane, and may be important in development and homeostasis of the inner ear and retina. Mutations within this gene have been associated with Usher syndrome type IIa and retinitis pigmentosa. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]</p> <p>Transcript Variant: This variant (1) uses a different splice site in its 3' coding region when compared to variant 2. The resulting protein (isoform A) has a shorter and distinct C-terminus, compared to isoform B.</p>