

Product datasheet for **RC221475L4V**

USH2A (NM_007123) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	USH2A (NM_007123) Human Tagged ORF Clone Lentiviral Particle
Symbol:	USH2A
Synonyms:	dj1111A8.1; RP39; US2; USH2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007123
ORF Size:	4638 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221475).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_007123.5 , NP_009054.5
RefSeq Size:	6332 bp
RefSeq ORF:	4641 bp
Locus ID:	7399
UniProt ID:	O75445
Cytogenetics:	1q41
Protein Families:	Transmembrane
MW:	171 kDa



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Gene Summary:

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]