

Product datasheet for **MR220599L4V**

Col11a2 (NM_009926) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Col11a2 (NM_009926) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Col11a2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009926
ORF Size:	4950 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR220599).
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_009926.1 , NP_034056.1
RefSeq Size:	5605 bp
RefSeq ORF:	4953 bp
Locus ID:	12815
UniProt ID:	Q64739
Cytogenetics:	17 17.98 cM



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Gene Summary:

This gene encodes the alpha-2 subunit of type XI collagen, one of the low abundance fibrillar collagens found in cartilage. The encoded protein, in association with other collagen subunits, forms a heterotrimeric type XI procollagen that may undergo proteolytic processing similar to the alpha-1 subunit. Mice lacking the encoded protein exhibit a mild phenotype similar to nonocular Stickler syndrome, otospondylomegaepiphyseal dysplasia (OSMED) as well as a nonsyndromic form of deafness called DFNA13. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]