

## Product datasheet for **RC210401L4V**

### COLQ (NM\_005677) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	COLQ (NM_005677) Human Tagged ORF Clone Lentiviral Particle
Symbol:	COLQ
Synonyms:	CMS5; EAD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005677
ORF Size:	1365 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210401).
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. <a href="#">More info</a>
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:	<a href="#">NM_005677.3</a>
RefSeq Size:	3007 bp
RefSeq ORF:	1368 bp
Locus ID:	8292
UniProt ID:	<a href="#">Q9Y215</a>
Cytogenetics:	3p25.1
Protein Families:	Druggable Genome, Transmembrane
MW:	47.8 kDa



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**Gene Summary:**

This gene encodes the subunit of a collagen-like molecule associated with acetylcholinesterase in skeletal muscle. Each molecule is composed of three identical subunits. Each subunit contains a proline-rich attachment domain (PRAD) that binds an acetylcholinesterase tetramer to anchor the catalytic subunit of the enzyme to the basal lamina. Mutations in this gene are associated with endplate acetylcholinesterase deficiency. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]