

Product datasheet for **RC220502L4V**

Collagen XVII (COL17A1) (NM_000494) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Collagen XVII (COL17A1) (NM_000494) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Collagen XVII
Synonyms:	BA16H23.2; BP180; BPA-2; BPAG2; EBR2A; ERED; JEB-I; LAD-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000494
ORF Size:	4491 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220502).
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_000494.2
RefSeq Size:	5610 bp
RefSeq ORF:	4494 bp
Locus ID:	1308
UniProt ID:	Q9UMD9
Cytogenetics:	10q25.1
Protein Families:	Transmembrane
MW:	150.2 kDa



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Gene Summary:

This gene encodes the alpha chain of type XVII collagen. Unlike most collagens, collagen XVII is a transmembrane protein. Collagen XVII is a structural component of hemidesmosomes, multiprotein complexes at the dermal-epidermal basement membrane zone that mediate adhesion of keratinocytes to the underlying membrane. Mutations in this gene are associated with both generalized atrophic benign and junctional epidermolysis bullosa. Two homotrimeric forms of type XVII collagen exist. The full length form is the transmembrane protein. A soluble form, referred to as either ectodomain or LAD-1, is generated by proteolytic processing of the full length form. [provided by RefSeq, Jul 2008]