

Product datasheet for **RG240254**

COL6A5 (NM_001278298) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COL6A5 (NM_001278298) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	COL6A5
Synonyms:	COL29A1; VWA4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240254 representing NM_001278298. Blue=ORF Red=Cloning site Green=Tag(s)

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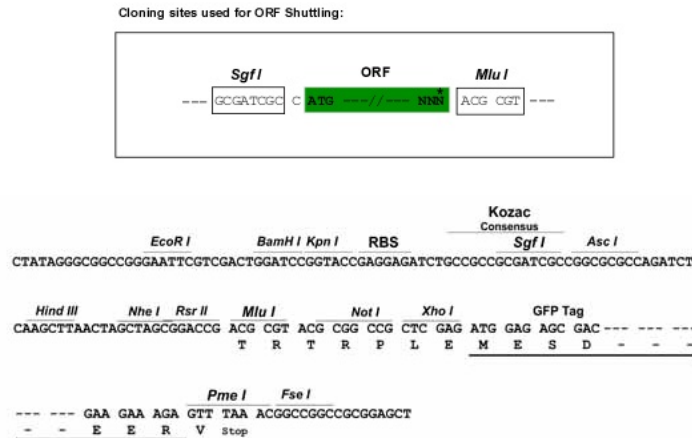
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Protein Sequence: >Peptide sequence encoded by RG240254
 Blue=ORF Red=Cloning site Green=Tag(s)

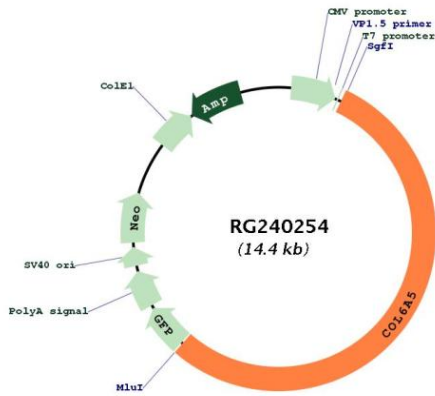
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Restriction Sites: SgfI-MluI

Cloning Scheme:


- ACCN:** NM_001278298
- ORF Size:** 7842 bp
- 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.
- 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).
- RefSeq:** [NM_001278298.1](#), [NP_001265227.1](#)
- RefSeq Size:** 9141 bp
- RefSeq ORF:** 7845 bp
- Locus ID:** 256076
- UniProt ID:** [A8TX70](#)
- Cytogenetics:** 3q22.1
- MW:** 290.2 kDa
- Gene Summary:** This gene encodes a member of the collagen superfamily of proteins. The encoded protein contains multiple von Willebrand factor A-like domains and may interact with the alpha 1 and alpha 2 chains of collagen VI to form the complete collagen VI trimer. Polymorphisms in this gene may be linked to dermal phenotypes, such as eczema. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]

Product images:



Circular map for RG240254