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Product datasheet for SC318730

COL6A5 (NM_153264) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: COL6A5 (NM_153264) Human Untagged Clone

Tag: Tag Free

Symbol: COL6A5

Synonyms: COL29A1; VWA4

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_153264, the custom clone sequence may differ by one or more nucleotides

ATGAAGATCTTGCTAATTATATTTGTCCTAATCATTTGGACTGAAACATTGGCAGACCAG
AGCCCAGGGCCAGGCCCTGTGTATGCAGATGTCGTGTTTCTGGTGGACAGCTCCGATCAC
CTGGGACCTAAGTCATTCCCATTCGTGAAAACGTTCATCAACAAAATGATCAACAGTCTC
CCCATAGAGGCCAACAAATACCGTGTAGCCCTGGCCCAGTACAGCGACGAGTTTCACAGT
GAATTCCATCTGAGCACCTTCAAAGGCAGAAGCCCCATGCTGAACCACCTCAAGAAGAAC
TTTCAGTTCATTGGCGGGTCCCTGCAGATAGGAAAGGCTCTTCAGGAGGCTCATAGGACC
TACTTCTCTGCACCCATAAATGGGAGAGACAGGAAACAGTTTCCCCCAATTTTGGTGGTC
CTGGCTTCGGCTGAGTCTGAGGATGAAGTGGAAGAGGCTTCGAAAGCCCTGCAGAAAGAC
GGGGTGAAAATTATCTCCGTGGGGGTGCAGAAAGCTTCTGAGGAAAATCTGAAGGCCATG
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AACATGACACAGATCATCAAGGATGTAACCAAGTATAAGGAGGGAGCCGTCGATGCTGAT
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GTGGATGAGTCACTTGGGACCGGAGGAAATTTAAGGCATCTTCAGACCTTCCTTGAGAAC
ATTACCAGCTCCATGGATGTGAAGGAAAATTGCATGCGACTTGGACTGATGAGTTACAGC
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GAACCTGCTAAGAGACTAAGGGCTGAGCAAATCACTGTTCATGCAGTTGGCATTGGGGCA

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GCTAATAAAATAGAACTGCAAGAAATTGCTGGGAAAGAAGAAAGGGTTAGCTTTGGGCAG
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GGATGTGAAGACATGAAGGCCGACATCATGTTTCTGGTGGACAGTTCTTGGAGTATAGGA
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GGTTCTGAGACAGCTACTGATTTGATGCAGAAGTTATATCTGCTCTTTTCAACTGAGAAA
CTGGCAATGAAAGACAAGGAAAAAGCACATTTAGAAGAAATTTCAGCTCTAGTGGTTGAT
AAACAGCAAGAAAAAGAAGATAAGGAAATGGAAGCTACAGACATC

Restriction Sites: Please inquire

ACCN:	NM_153264
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_153264.4, NP_694996.4
RefSeq Size:	9226 bp
RefSeq ORF:	7848 bp
Locus ID:	256076
UniProt ID:	A8TX70
Cytogenetics:	3q22.1
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] Transcript Variant: This variant (2) lacks an alternate exon in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.