

Product datasheet for SC302934

Collagen alpha 1(XXVIII) chain (COL28A1) (NM_001037763) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Collagen alpha 1(XXVIII) chain (COL28A1) (NM_001037763) Human Untagged Clone
Tag:	Tag Free
Symbol:	Collagen alpha 1(XXVIII) chain
Synonyms:	COL28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302934 representing NM_001037763. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGTGGAACAGATATTTTGTCTTCTATCTCCTGCTTTTGTGACGCTTTACGAGTCAAACAGTATCCGGA
 CAAAGAAAGAAAGGACCAAAATCAAATTTGCTTGCAAGGAAAAGTGATGTCCAGGGCTCCATTTGTTTC
 ATAGATATTGTCTTCATCGTGGACAGCTCTGAAAGTTCTAAAATTGCCCTCTTTGATAAACAGAAAGAT
 TTTGTGGATAGCTTGAGTGACAAGATTTTCCAATTGACTCCTGGTCGCTCCTTGAATATGACATCAAA
 CTGGCAGCCCTTCAGTTTAGCAGCTCTGTCCAAATTGATCCACCTTTTCTTCTGGAAGGACCTGCAG
 ACATTTAAGCAGAAGGTCAAGTCTATGAATTTAATAGGGCAAGGTACCTTCTTATTATGCCATTTCC
 AATGCCACTAGGCTACTTAAGAGAGAAGGGCGTAAGGATGGTGTGAAAGTGGTTTTGCTGATGACTGAT
 GGCATCGACCATCCAAAGAATCCAGATGTTCAAAGTATTTCTGAAGATGCCAGAATTTCCAGGAATATCA
 TTTATCACCATTGCATTTCTACGGTAGTCAATGAAGCCAAACTTCGTTTGATTTCTGGGGATTCATCC
 AGTGAACCCACTTTACTGTTGAGTGATCCAACCTTGTAGATAAAATTCAGATCGTCTGGATATCTTA
 TTTGAAAAGAAGTGTGAACGCAAGATTTGTGAATGTGAGAAGGGAGATCCAGGTGATCCAGGGCCTCCT
 GGTACACATGGAATCCAGGTATCAAAGGTGAGCGAGGACCAAAAGGAAACCCGGGCAACGCTCAAAAA
 GGAGAAGCTGGAGAAAGAGGTCCAGGGGGAATTCCTGGGTACAAGGTGACAAGGTGAACGTGGGGAA
 TGTGGTAAACCAGGGATAAAAGGTGACAAGGGATCCCCAGGGCCATATGGACCAAGGGACCCAGAGGA
 ATTCAGGGAATTACTGGACCTCCAGGAGACCCAGGCCCAAAGGGGTTTCAAGGCAATAAGGGTGAGCCA
 GGTCTCTGCTGCTTATGGTTCTCCAGGAGCTCCTGGAATTGGACAGCAAGGTATTAAGGGAGAAAGA
 GGCCAAGAAGGAAGACCGGGAGCTCCAGGACCCATTGGAGTTGGTGAAGCTGGACAGCCAGGTCCCCGT
 GGTCTGAGGGAGTACCAGGAGAGAGGGGCTTACCCGAGAAGGATTTCCAGGACCAAGGGTGAAGAA
 GGTTCTGAAGGACCAACTGGCCACAGGGATTACAAGGCTGTCAATCAAAGGGGAGAAGGGGATATA
 GGACCTGTGGGACCCCAAGGACCAATGGGTATCCCTGGAATCGGGAGTCAAGGGGAACAGGGAATCCAA
 GGTCTATTGGTCCACCTGGTCCACAAGGGCCCGCAGGACAGGGCTTACCTGGTTCCAAGGGAGAAGTA
 GGCCAAATGGGACCTACAGGCCCTCGAGGACCAGTGGGAATTGGAGTACAAGGTCCAAGGGAGAGCCA


[View online »](#)

```

GGCTCAATAGGGCTCCCAGGACAACCAGGAGTACCAGGAGAAGATGGAGCTGCAGGGAAGAAGGGAGAA
GCGGGGCTTCCGGGAGCAAGAGGCCAGAGGACCACTGGAAAAGGACAGCCTGGCCCCAAGGGTGAC
GAAGGCAAGAAAGGGAGCAAAGGAAATCAAGGACAGAGGGGACTTCCAGGGCCCGAAGGACCAAGGGT
GAACCGGGCATTATGGGCCCTTTTGAATGCCTGGAACATCAATTCCTGGACCACCTGGGCCAAAGGGA
GATAGAGGAGGACCTGGGATACCTGGATTTAAGGGAGAACCTGGACTTTCTATTCGAGGACCAAGGGT
GTCCAAGGCCCTCGGGGACCACTGGGTGCTCCAGGACTCAAAGGTGATGGCTATCCTGGTGTGCCTGGA
CCTCGTGGATTACCAGGACCCCTGGGCCGATGGGTTTACGTGGAGTGGGAGACACTGGAGCAAGGGA
GAGCCTGGGGTCAGAGGCCCTCCAGGTCTTCTGGGCCCTCGGGGCGTAGGAACCAAGGGCCAAAGGGT
GATACTGGGCAGAAAGGCTTGCCTGGCCCTCCTGGCCCCCTGGCTATGGATCACAGGGAATTAAAGGG
GAACAAGGACCACAAGGCTTCCCAGGCCCAAAGGGCACAATGGGCCATGGCCTCCCAGGCCAGAAGGGA
GAGCACGGAGAACGGGGCGATGTGGAAAGAAAGGTGATAAAGGAGAAATTGGAGAGCCTGGATCTCCA
GGAAAACAGGGTTTACAAGGACCCAAAGGAGACCTAGGACTTACAAAAGAAGAAATTATCAAACTTATT
ACAGAAATATGTGTTGTGGGCCAAATGCAAAGAGACTCCACTAGAGCTGGTGTGTTGTGATCGACAGC
TCAGAAAGCGTGGGGCCAGAGAACTTTCAGATCATTAAAAATTTTGTGAAGACTATGGCTGACCGGGTT
GCTCTGGACCTTGCCACGGCCCGCATAGGCATAATCAACTATAGCCATAAGGTGGAGAAGGTGGCTAAT
TTGAAGCAGTTCTCCAGCAAGGATGACTTCAAGTTGGCTGTGGACAACATGCAGTATCTGGGGGAAGGC
ACATACACAGCCACTGCTCTGCAAGCAGCCAACGACATGTTTGAAGATGCAAGGCCAGGTGTAAAAAAA
GTGGCCTTGGTCATCACTGATGGACAGACAGATTCTCGTGATAAAGAGAAACTGACAGAGGTGGTGAAG
AATGCCAGTGACACCAATGTGGAGATATTTGTGATAGGGGTGGTGAAGAAAAATGATCCCACTTTGAA
ATATCCACAAAGAAATGAATCTAATTGCTACTGACCCAGAGCATGTTTACCAGTTTGATGATTTCTTT
ACCCTGCAAGACACCTGAAGCAAAAATTTGTTTCAAAAATTTGTGAGGATTTTGATTCTATCTCGTT
CAATTTTTTGGTTCATCGTCACCTCAACCTGGATTGGGATGTCAGGGGAAGAACTCAGTGAATCTACT
CCAGAGCCTCAAAAAGAAATTTCTGAGTCATTGAGTGTACCAGAGACCAGGATGAAGATGATAAGGCT
CCAGAGCCAACGTGGGCTGATGATCTGCTGCCACTACCTCATCTGAGGCCACCACCACCCCGAGGCCA
CTGCTCAGCACCCCTGTGGATGGGGCAGAGGATCCTAGATGTTTGAAGCCTTGAAGCCTGGAACTGT
GGTGAATATGTGTTTCGATGGTATTATGACAAACAGGTCAACTCTGTGCCCCGATTTTGGTTCAGTGGC
TGTAATGGCTCAGGAAATAGATTCAACAGTGAAAAGGAATGTCAAGAAACCTGCATTCAAGGATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001037763
Insert Size:	3378 bp
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_001037763.2](#)

RefSeq Size: 3515 bp

RefSeq ORF: 3378 bp

Locus ID: 340267

UniProt ID: [Q2UY09](#)

Cytogenetics: 7p21.3

MW: 116.7 kDa

Gene Summary: COL28A1 belongs to a class of collagens containing von Willebrand factor (VWF; MIM 613160) type A (VWFA) domains (Veit et al., 2006 [PubMed 16330543]).[supplied by OMIM, Nov 2010]