



Recombinant Human COL3A1 Protein Product Manual

1. Product Basic Information

Product No.: REP06517

Protein Name: Collagen, Fetal (COL3A1)

Aliases: EDS4A; EDSVASC; PMGEDSV; collagen, fetal; alpha1 (III) collagen; alpha-1 type III collagen; collagen alpha-1(III) chain

UniProt ID: P02461

UniProt Link: <https://www.uniprot.org/uniprotkb/P02461/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Full Length of Mature Protein (154-1221aa)

Molecular Weight: 97.1 kDa

Protein Tag: C-terminal 10xHis-tagged

2. Amino Acid Sequence (154-1221aa)

QYDSYDVKSGVAVGGLAGYPGPAGPPGPPGPPGTSGHPGSPGSPGYQGPPGEP
GQAGPSGPPGPPGAIGPSGPAGKDGESGRPGRPGERGLPGPPGIKGPAGIPGFP
GMKGHRGFDGRNGEKGETGAPGLKGENGLPGENGAPGPMGPRGAPGERGRPG
LPGAAGARGNDGARGSDGQPGPPGPPGTAGFPGPSGPAKGEVGPAGSPGSNGAP
GQRGEPGPQGHAGAQQPPGPPGINGSPPGKGEMGPAGIPGAPGLMGARGPPGP
AGANGAPGLRGGAGEPGKNGAKGEPGPRGERGEAGIPGVPGA KGEDGKDGSPPG
EPGANGLPGAAGERGAPGFRGPAGPNGIPGEKGPAGERGAPGPAGPRGAAGEP
GRDGVPGGPGMRGMPSGPGGPGSDGKPGPPGSQGESGRPGPPGPSGPRGQP
GVMGFPGPKGNDGAPGKNGERGGPGGPGPQGP PGKNGETGPQGP PGPTGPGG
DKGDTGPPGPQQLQGLPGTGGPPGENGKPGEPGPKGDAGAPGAGGKGDAGAP
GERGPPGLAGAPGLRGGAGPPGPEGGKGAAGPPGPPGAAGTPGLQGMPPERGG
LGSPGPKGDKGEPGGPGADGVPGKDGPRGPTGPIGPPGPAGQPGDKGEGGAPG
LPGIAGPRGSPGERGETGPPGPAGFPAGPQQNGEPGGKGERGAPGEKGE GGPP
GVAGPPGGSGPAGPPGPQGVKGERGSPGGPGAAGFPAGRLPGPPGSNGNPGP
PGPSGSPGKDGP GPAGNTGAPGSPGVSGPKGDAGQPGEKGSPPGAQQPPGAPG
PLGIAGITGARGLAGPPGMPPGPRGSPGPQGVKGESGKPGANGLSGERGPPGPQG
LPGLAGTAGEPGRDGNPGSDGLPGRDGSPGGKGD RGENGSPGAPGAPGHPGPP



GPVGPAGKSGDRGESGPAGPAGAPGPAGSRGAPGPQGPRGDKGETGERGAAGI
KGHRGFPGNPGAPGSPGPAGQQGAIGSPGPAGPRGPVGPSGPPGKDGTSGH
PIGPPGPRGNRGERGSEGSPGHPGQPGPPGPPGAPGPCCGGVGAAAIAIGIGGEK
AGGFAPYYG

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human COL3A1 full length of mature protein protein (154-1221aa) expressed in Mammalian cell. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. COL3A1, also known as EDS4A or EDSVASC or PMGEDSV, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.