



Recombinant Human COL8A1 Protein Product Manual

1. Product Basic Information

Product No.: REP06522

Protein Name: Endothelial Collagen (COL8A1)

Aliases: smag-64; endothelial collagen; collagen alpha-1(VIII) chain; collagen VIII, alpha-1 polypeptide; cell proliferation-inducing protein 41

UniProt ID: P27658

UniProt Link: <https://www.uniprot.org/uniprotkb/P27658/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (572-744aa)

Molecular Weight: 31.9 kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (572-744aa)

AVMPPTPPPQGEYLPDMGLGIDGVKPPHAYGAKKGKNGGPAYEMPAFTAELTAPF
PPVGAPVKFNKLLYNGRQNYNPQTGIFTCEVPGVYYFAYHVKCKGGNVWVALFKN
NEPVMYTYDEYKKGFLDQASGSVALLLRPGDRVFLQMPSEQAAGLYAGQYVHSSF
SGYLLYPM

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

5. Product Description

This product is a recombinant Human COL8A1 partial protein (572-744aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. COL8A1, also known as smag-64 or endothelial collagen or collagen alpha-1(VIII) chain, 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.