

COL18A1 recombinant protein

Recombinant Human COL18A1 Protein

CATALOG # AAA55959	HOST E Coli	APPLICATIONS ELISA, Western Blot
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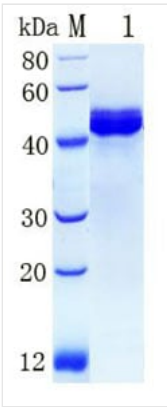
PRODUCT SYNONYMS

COL18A1; Recombinant Human COL18A1 Protein; COL18-A1; COL18; KNO; Endostatin; Collagen Type XVIII.; COL18A1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Purity: > 90 % as determined by SDS-PAGE. Purification: Affinity purified using AC.
Form/Format	Lyophilized powder; Lyophilized from 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0.
Sequence Positions	1578-1754
Sequence	QPVHLVALN SPLSGGMRGI RGADFQCFQQ ARAVGLAGTF RAFLSSRLQD LYSIVRRADR AAVPIVNLKD ELLFPSWEAL FSGSEGPLKP GARIFSFDGK DVLRHPTWPQ KSVWHGSDPN GRRLTESYCE TWRTEAPSAT GQASSLLGGR LLGQSAASCH HAYIVLCIEN SFMTASK
Sequence Length	1754
Applicable Applications for COL18A1 recombinant protein	ELISA, WB (Western Blot)
Source	Human
Protein Residue	with N-terminal GST-tagged.
Usage	COL18A1 Protein - We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Preparation and Storage	Storage: Store it under sterile conditions at -20°C/-80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. **Avoid repeated freeze-thaw cycles.** Stability: The recombinant protein is stable for up to 6-12 months from date of receipt at -20°C/-80°C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for COL18A1 recombinant protein	Collagen, type XVIII, alpha 1, also known as COL18A1, alpha chain of type XVIII collagen. This collagen is one of the multiplexins, extracellular matrix proteins that contain multiple triple-helix domains (collagenous domains) interrupted by non-collagenous domains. The proteolytically produced C-terminal fragment of type XVIII collagen is endostatin, a potent antiangiogenic protein. Mutations in this gene are associated with Knobloch syndrome. The main features of this syndrome involve retinal abnormalities so type XVIII collagen may play an important role in retinal structure and in neural tube closure. Two transcript variants encoding different isoforms have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110611235
NCBI GeneID	80781
NCBI Accession #	NP_085059.2
NCBI GenBank Nucleotide #	NM_030582.3
UniProt Accession #	P39060; Q58EX6; Q6RZ39; Q6RZ40; Q6RZ41; Q8N4S4; Q8WXI5; Q96T70; Q9UK38; Q9Y6Q7; Q9Y6Q8; A8MVI4
Molecular Weight	Predicted: 46.3kDa Observed: 46kDa
NCBI Official Full Name	collagen alpha-1(XVIII) chain isoform 1 preproprotein
NCBI Official Synonym Full Names	collagen type XVIII alpha 1 chain
NCBI Official Symbol	COL18A1
NCBI Official Synonym Symbols	KS; KNO; KNO1
NCBI Protein Information	collagen alpha-1(XVIII) chain
UniProt Protein Name	Collagen alpha-1(XVIII) chain
UniProt Gene Name	COL18A1
UniProt Entry Name	COIA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.