

Active Recombinant Human COL18A1

Cat. No. COL18A1-807H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL18A1 (Accession # NP_569712) His1154-Ser1335, fused with an N-terminal Met and 8-His tag, was produced in E. coli.
Species	Human
Source	E.coli
ProteinLength	His1154-Ser1335
Predicted N Terminal	Met-His tag
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit the FGF basic-dependent proliferation of HUVEC human umbilical vein endothelial cells. Dhanabal, M. et al. (1999) Biochem. Biophys. Res. Commun. 258:345. The ED50 for this effect is typically 0.4-2 µg/mL in the presence of 20 µg/mL of Goat Anti-Human Endostatin Antigen Affinity-purified Polyclonal Antibody.
Molecular Mass	Recombinant Human COL18A1 has a calculated MW of 21.6 kDa. In SDS-PAGE migrates as 21 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

Gene Name	COL18A1 collagen, type XVIII, alpha 1 [Homo sapiens]
Official Symbol	COL18A1
Synonyms	COL18A1; collagen, type XVIII, alpha 1; KNO, Knobloch syndrome, type 1; collagen alpha-1(XVIII) chain; endostatin; KNO1; KS; antiangiogenic agent; multi-functional protein MFP; KNO; FLJ27325; FLJ34914; MGC74745;
Gene ID	80781
mRNA Refseq	NM_030582
Protein Refseq	NP_085059
MIM	120328
UniProt ID	P39060
Chromosome Location	21q22.3

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