

Recombinant Human COL9A1 protein(Met1-Pro328), mFc-tagged

Cat. No. COL9A1-265H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL9A1 (P20849-3) (Met1-Pro328) was expressed in HEK293, fused with Fc region of Mouse IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Pro328
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human COL9A1/mFc is a disulfide-linked homodimer. The reduced monomer comprises 539 amino acids and has a predicted molecular mass of 59.2 kDa. The apparent molecular mass of the protein is approximately 62-72 in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name COL9A1 collagen, type IX, alpha 1 [Homo sapiens]

Official Symbol COL9A1

Synonyms

COL9A1; collagen, type IX, alpha 1; collagen alpha-1(IX) chain; alpha-1(IX) collagen chain; collagen IX, alpha-1 polypeptide; cartilage-specific short collagen; MED; EDM6; STL4; DJ149L1.1.2; FLJ40263;

Gene ID 1297

mRNA Refseq NM_001851

Protein Refseq NP_001842

MIM 120210

UniProt ID P20849

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