

## COL9A1 Protein, Human, Recombinant (mFc)

### General Information

Synonyms:	DJ149L1.1.2;STL4;collagen, type IX, alpha 1;MED;EDM6;collagen, type IX, $\alpha$ 1
Protein Construction:	A DNA sequence encoding the human COL9A1 (P20849-3) (Met1-Pro328) was fused with Fc region of mouse IgG1 at the C-terminus. Predicted N terminal: Ala 24
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P20849-3
Molecular Weight:	59.2 kDa (predicted); 62-72 kDa (reducing conditions)

### QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/ $\mu$ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 $\mu$ m filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

### Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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