

Recombinant Human Collagen XV alpha 1 /COL15A1 (S1195F) protein

Catalog No.: RP01851

Sequence Information

Species	Gene ID
Human	1306
Swiss Prot	Tags
P39059	N-His&hFc

Synonyms

COL15A1, Collagen alpha-1(XV) chain, Restin

Product Information

Source	Purification
HEK293 cells	≥ 90% as determined by reducing SDS-PAGE.

Calculated MW Observed MW

63.55 KDa 60-65 kDa

Endotoxin

< 0.01 EU/μg of the protein by LAL method.

Formulation

Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Collagen XV alpha 1/COL15A1 is a structural protein crucial for stabilizing microvessels and muscle cells, playing a key role in cardiac and skeletal muscle tissues. Its structural support contributes to microvascular and muscle integrity. Additionally, COL15A1 exhibits a potent anti-angiogenic effect, inhibiting angiogenesis and suggesting its role in regulating blood vessel formation.

Basic Information

Description

Recombinant Human Collagen XV alpha 1/COL15A1 (S1195F) protein is produced by HEK293 cells system. The target protein is expressed with sequence (Asn1133-Ser1381) of Human Collagen XV alpha 1/COL15A1 (S1195F)(Accession #NP_001846.3) fused with His and hFc tag at the N-Terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

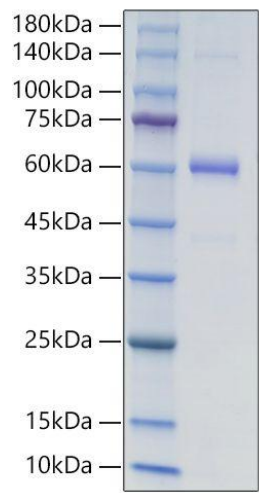
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human Collagen XV alpha 1/COL15A1 (S1195F) protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.