

Canine COL6A6 Protein, His Tag

Catalog # CO6-D5243



BIOSYSTEMS
Acro

Synonym

COL6A6

Source

Canine COL6A6 Protein, His Tag (CO6-D5243) is expressed from human 293 cells (HEK293). It contains AA Asp 437 - Val 983 (Accession # [A0A8C0PIB6](#)).

Predicted N-terminus: His

Molecular Characterization

Poly-his

COL6A6(Asp 437 - Val 983)
A0A8C0PIB6

This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 62.8 kDa. The protein migrates as 65-80 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

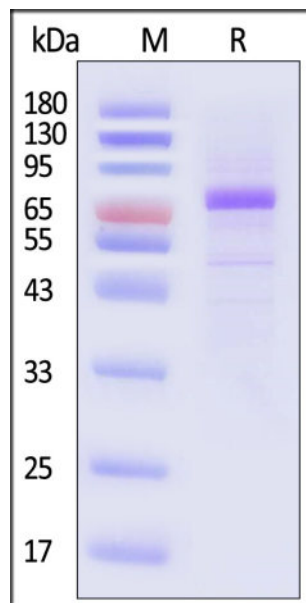
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Canine COL6A6 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Background

COL6A6 belongs to the type VI collagen family and is an extracellular matrix component highly expressed in the lungs, adipose tissue, and skeletal muscle. It provides structural support and regulates signaling by inhibiting the PI3K-Akt pathway to play a tumor-suppressive role. Its abnormalities are closely linked to skin inflammation, retinitis pigmentosa, and pituitary adenoma, making it a potential diagnostic marker or therapeutic target.

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