Product Name: Recombinant Human COL9A1 (C-6His)
Catalog #: PHH0431

Summary

Name	COL9A1/Collagen alpha-1(IX) chain
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Collagen Alpha-1(IX) Chain is produced by our Mammalian expression system and the target gene encoding Ala24-Pro328 is expressed with a 6His tag at the C-terminus.
Accession #	P20849-3
Host	Human Cells
Species	Human
Predicted Molecular Mass	33.8 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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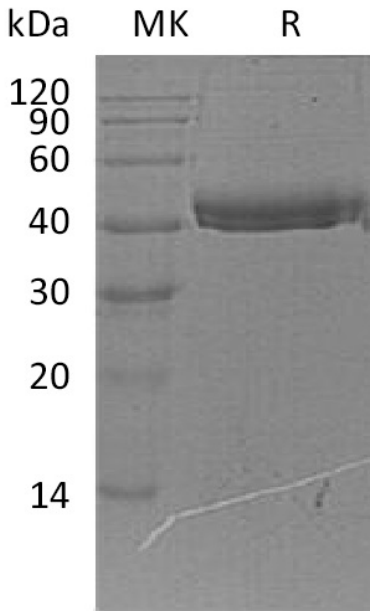

Alternative Names

Collagen alpha-1(IX) chain;DJ149L1.1.2; EDM6; MED; STL4

Background

COL9A1, which is short for Collagen alpha-1(IX) chain, is a 921 aa. protein. It is a secreted protein, and exists in extracellular space and extracellular matrix. This protein is a heterotrimer of an alpha 1(IX), an alpha 2(IX) and an alpha 3(IX) chain.Each subunit is composed of three triple-helical domains interspersed with non-collagenous domains. The globular domain at the N-terminus of type IX collagen molecules represents the NC4 domain which may participate in electrostatic interactions with polyanionic glycosaminoglycans in cartilage. It ia a structural component of hyaline cartilage and vitreous of the eye.

Note

For Research Use Only , Not for Diagnostic Use.