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Datasheet for ABIN7319288 **COL9A1 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	COL9A1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COL9A1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human COL9A1 Protein (His Tag)
Sequence:	Ala24-Pro328
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	COL9A1
Alternative Name:	COL9A1 (COL9A1 Products)
Background:	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

Target Details

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 is a structural component of hyaline cartilage and vitreous of the eye.

Synonym: DJ149L1.1.2, EDM6, MED, STL4, Collagen alpha-1(IX) chain, DJ149L1.1.2

Molecular Weight: 33.8 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.