

**Recombinant Human Collagen alpha-1(IX) chain Protein**

**Cat.NO.: TP04680**

3th Edition

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

**Description:**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.

**Form:**PBS

**Molecular Weight:**33.8 kDa

**Sequences:**Ala24-Pro328

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.