



Recombinant Protein Technical Manual

Recombinant Human COL9A1 Protein (Fc Tag)

RPES3157

Product Data:

Product SKU: RPES3157

Size: 50µg

Species: Human

Expression host: HEK293 Cells

Uniprot: P20849-3

Protein Information:

Molecular Mass: 59.2 kDa

AP Molecular Mass: 62-72 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

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

Application:

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

Immunogen Information:

Sequence: Met 1-Pro328

Background:

Ubiquinone biosynthesis protein COQ7 homolog, also known as Coenzyme Q biosynthesis protein 7 homolog, Timing protein clk homolog and COQ7, is a mitochondrion inner membrane and peripheral membrane protein which belongs to the COQ7 family. It is expressed dominantly in heart and skeletal muscle. COQ7 is synthesized as a preprotein that is imported into the mitochondrial matrix, where the sequence is cleaved off and the mature protein becomes loosely associated with the inner membrane. This enzyme is responsible for the hydroxylation of 5-demethoxyubiquinone to 5-hydroxyubiquinone. Human COQ7 protein is mostly helical, and contains an alpha-helical membrane insertion. It has a potential N-glycosylation site, a phosphorylation site for protein kinase C and another for casein kinase II, and three N-myristoylation sites. COQ7 is involved in lifespan determination in ubiquinone-independent manner. It is also involved in ubiquinone biosynthesis. COQ7 is potential central metabolic regulator.