

Recombinant Rat COL4A3 Protein (Fc Tag)

Catalog Number: PKSR030166

Note: Centrifuge before opening to ensure complete recovery of vial contents.

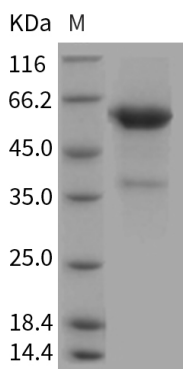
Description

Species	Rat
Source	HEK293 Cells-derived Rat COL4A3 protein Gly1426-His1670, with an N-terminal hFc
Calculated MW	55.2 kDa
Observed MW	59 kDa
Accession	NP_001129231
Bio-activity	Not validated for activity

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 85 % as determined by reducing SDS-PAGE.

Background

COL4A3 is a major structural component of basement membranes. It is composed of 3 alpha subunits, which are encoded by 6 different genes, alpha 1 through alpha 6. Each of these alpha subunits can form a triple helix structure with 2 other subunits to form COL4A3. Autoantibodies bind to the collagen molecules in the basement membranes of alveoli and glomeruli can cause goodpasture syndrome. COL4A3 is also linked to an autosomal recessive form of alport syndrome. COL4A3 is organized in a head-to-head conformation and each gene pair shares a common promoter.

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