

32-9053: Recombinant Human Collagen α -1(VIII) Chain/COL8A1 (C-6His)

Alternative Name : Collagen Alpha-1(VIII) Chain; Endothelial Collagen; Vastatin; COL8A1; C3orf7

Description

Source : Human Cells;

Collagen α -1(VIII) chain, also known as endothelial collagen, C3orf7 and COL8A1, can be cleaved into vastatin chain. COL8A1 is a short chain collagen and a major component of the Descemet's membrane (basement membrane) of corneal endothelial cells. COL8A1 forms homotrimers or heterotrimers in association with α 2(VIII) type collagens. Four homotrimers can form a tetrahedron stabilized by central interacting C-terminal NC1 trimers. COL8A1 is mainly expressed in the subendothelium of large blood vessels. The expression level can be up-regulated during vascular injury, in atherosclerosis and in diabetes. COL8A1 is necessary for migration and proliferation of vascular smooth muscle cells and thus, has a potential role in the maintenance of vessel wall integrity and structure, in particular in atherogenesis.

Product Info

Amount : 500 μ g / 50 μ g

Content : Supplied as a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, PH7.2

Amino Acid : Recombinant Human Collagen α -1(VIII) Chain is produced by our Mammalian expression system and the target gene encoding Gly28-Met744 is expressed with a 6His tag at the C-terminus.