

Product datasheet for **TP724609**

COL8A1 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Collagen a-1(VIII) Chain/COL8A1 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gly28-Met744
Tag:	C-6His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM PB,150mM NaCl, PH7.2
Note:	Recombinant Human Collagen alpha-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.
Stability:	12 months from date of despatch
Locus ID:	1295
UniProt ID:	P27658
Summary:	Collagen alpha-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 alpha 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.



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