

## Product datasheet for **TP726947**

### COL8A1 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Collagen $\alpha$ 1(VIII) Chain/COL8A1 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gly28-Met744
Tag:	C-His
Buffer:	Lyophilized from 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.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	1295
UniProt ID:	<a href="#">P27658</a>
Synonyms:	Collagen Alpha-1(VIII) Chain; Endothelial Collagen; Vastatin; COL8A1; C3orf7
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 basement membrane of the corneal endothelium. 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 contains one C1q domain and is primarily expressed in the subendothelium of large blood vessels. The expression level can be up-regulated during vascular injury, in atherosclerosis and in diabetes. COL8A1 may have a role in the maintenance of vessel wall integrity and structure, in particular in atherogenesis.
Protein Families:	Druggable Genome



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