

Recombinant Human COL4A6, GST-tagged

Cat. No. COL4A6-11436H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL4A6 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-73a.a.
Description	This gene encodes one of the six subunits of type IV collagen, the major structural component of basement membranes. Like the other members of the type IV collagen gene family, this gene is organized in a head-to-head conformation with another type IV collagen gene, alpha 5 type IV collagen, so that the gene pair shares a common promoter. Deletions in the alpha 5 gene that extend into the alpha 6 gene result in diffuse leiomyomatosis accompanying the X-linked Alport syndrome caused by the deletion in the alpha 5 gene. Two splice variants have been identified for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	COL4A6 collagen, type IV, alpha 6 [Homo sapiens]
Official Symbol	COL4A6
Synonyms	COL4A6; collagen, type IV, alpha 6; collagen alpha-6(IV) chain; collagen alpha 6 type IV; collagen IV, alpha-6 polypeptide; dJ889N15.4 (Collagen Alpha 6(IV)); collagen of basement membrane, alpha-6; DELXq22.3; CXDELq22.3; MGC88184;
Gene ID	1288
mRNA Refseq	NM_001847
Protein Refseq	NP_001838
MIM	303631
UniProt ID	Q14031
Chromosome Location	Xq22
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;
Function	binding; extracellular matrix structural constituent;

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