

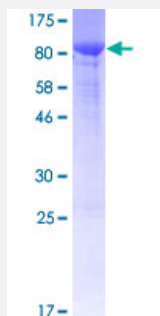
Full-Length

COL29A1 (Human) Recombinant Protein (P01)

Catalog # H00256076-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human COL29A1 full-length ORF (AAI53010.1, 1 a.a. - 565 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDVVFLIDNSRNIKDEFKAVKALVSSVIDNFNIASDPLISDSGDRIALLSYSPWESSRRKMGTVKT
EFDFTYDNQLLMKNHIQTSFQQLNGEATIGRALLWTENLFPETPYLRKHKVIFVVSAGENYERKE
FVKMMALRAKCQGYVIFVISLGSTRKDDMEELASYPLDQHILQLGRIHKPDLNYAKFLKPFLYSVR
RGFNQYPPPMLEDACRLINLGGENIQNDGFQFVTELQEDFLGGNGFIGQELNSGRESFVKTEDN
GSDYLVLPSQMFEPQKLMINYEKDQKSAEIASLTSGHENYGRKEEPDHTYEPGDVSLQEYYMDV
AFLIDASQRVGSDEFKEVKAFITSVLDYFHIAPTPLTSTLGDRVAVLSYSPPGYMPNTEECPVYLEF
DLVTYNSIHQMKHHLQDSQQLNGDVFIGHALQWTIDNVFVGTPNLRKNKVIFVISAGETNSLDKDL
RNVSLRAKCQGYISIFVSFGPKHNDKELEELASHPLDHHLVQLGRTHKPDWNYIKFVKPFVHLIR
RAINKYPTEDMKATCVNMTSPNPENGGTENTVLW

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

89.1

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — COL29A1

Entrez GeneID[256076](#)**GeneBank Accession#**[BC153009](#)**Protein Accession#**[AAI53010.1](#)**Gene Name**

COL29A1

Gene Alias

COL6A5, FLJ35880, VWA4

Gene Description

collagen, type XXIX, alpha 1

Gene Ontology[Hyperlink](#)**Gene Summary**

COL29A1 belongs to the class of collagens containing von Willebrand factor (VWF; 193400) type A (vWA) domains. These collagens form filaments with globular domains containing vWA motifs, which are involved in protein-ligand interactions for the organization of tissue architecture and cell adhesion (Soderhall et al., 2007).[supplied by OMIM]

Other Designations

collagen XXIX alpha 1|collagen alpha-5(VI) chain|collagen type VI alpha 5|von Willebrand factor A domain containing 4

Disease

- [Asthma](#)

- [Dermatitis](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Pulmonary Disease](#)
- [Tobacco Use Disorder](#)