

Recombinant Human COL6A2 cell lysate

Cat. No. COL6A2-382HCL Lot. No. (See product label)

SPECIFICATION

Species

Human

Description

This gene encodes one of the three alpha chains of type VI collagen, a beaded filament collagen found in most connective tissues. The product of this gene contains several domains similar to von Willebrand Factor type A domains. These domains have been shown to bind extracellular matrix proteins, an interaction that explains the importance of this collagen in organizing matrix components. Mutations in this gene are associated with Bethlem myopathy and Ullrich scleroatonic muscular dystrophy. Three transcript variants have been identified for this gene.

Size

100 ug

Recommended Usage

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Storage Buffer

In modified RIPA Lysis Buffer.

Applications

Western Blot; Immunoprecipitation;

GENE INFORMATION

Gene Name

COL6A2 collagen, type VI, alpha 2 [Homo sapiens]

Official Symbol

COL6A2

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| Synonyms | COL6A2; collagen, type VI, alpha 2; collagen alpha-2(VI) chain; collagen VI, alpha-2 polypeptide; human mRNA for collagen VI alpha-2 C-terminal globular domain; PP3610; FLJ46862; DKFZp586E1322; |
| Gene ID | 1292 |
| mRNA Refseq | NM_001849 |
| Protein Refseq | NP_001840 |
| MIM | 120240 |
| UniProt ID | P12110 |
| Chromosome Location | 21q22.3 |
| Pathway | Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific 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 | extracellular matrix structural constituent; protein binding; protein binding, bridging; |

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