Recombinant Human COL11A2 Protein, GST-tagged

Cat. No. COL11A2-1635H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COL11A2 partial ORF (NP_542411, 29 a.a. - 128 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes one of the two alpha chains of type XI collagen, a minor fibrillar collagen. It is located on chromosome 6 very close to but separate from the gene for retinoid X receptor beta. Type XI collagen is a heterotrimer but the third alpha chain is a post-translationally modified alpha 1 type II chain. Proteolytic processing of this type XI chain produces PARP, a proline/arginine-rich protein that is an amino terminal domain. Mutations in this gene are associated with type III Stickler syndrome, otospondylomegaepiphyseal dysplasia (OSMED syndrome), Weissenbacher-Zweymuller syndrome, autosomal dominant non-syndromic sensorineural type 13 deafness (DFNA13), and autosomal recessive non-syndromic sensorineural type 53 deafness (DFNB53). Alternative splicing results in multiple transcript variants. A related pseudogene is located nearby on chromosome 6. [provided by RefSeq, Jul 2009]
Molecular Mass	36.74 kDa
AA Sequence	APPVDVLRALRFPSLPDGVRRAKGICPADVAYRVARPAQLSAPTRQLFPGGFPKDF SLLTVVRTRPGLQAPLLTLYSAQGVRQLGLELGRPVRFLYEDQT

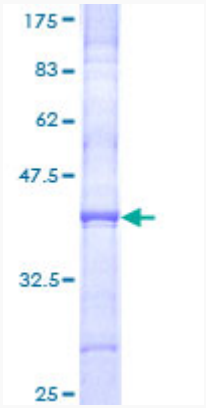
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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	COL11A2 collagen, type XI, alpha 2 [Homo sapiens]
Official Symbol	COL11A2
Synonyms	COL11A2; collagen, type XI, alpha 2; DFNA13, DFNB53; collagen alpha-2(XI) chain; HKE5; pro-a2 chain of collagen type XI; PARP; STL3; FBCG2; DFNA13; DFNB53;
Gene ID	1302
mRNA Refseq	NM_001163771
Protein Refseq	NP_001157243
MIM	120290
UniProt ID	P13942

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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