

## Native Human COL2A1 Protein

Cat. No. COL2A1-1648H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human COL2A1 native protein from human nasal septum.
<b>Species</b>	Human
<b>Source</b>	Human Nasal Septum
<b>Description</b>	<p>This gene encodes the alpha-1 chain of type II collagen, a fibrillar collagen found in cartilage and the vitreous humor of the eye. Mutations in this gene are associated with achondrogenesis, chondrodysplasia, early onset familial osteoarthritis, SED congenita, Langer-Saldino achondrogenesis, Kniest dysplasia, Stickler syndrome type I, and spondyloepimetaphyseal dysplasia Strudwick type. In addition, defects in processing chondrocalcin, a calcium binding protein that is the C-propeptide of this collagen molecule, are also associated with chondrodysplasia. There are two transcripts identified for this gene. [provided by RefSeq, Jul 2008]</p>
<b>Form</b>	Lyophilized
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Store at -20 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	No additive

### GENE INFORMATION

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Gene Name</b>	COL2A1 collagen, type II, alpha 1 [ Homo sapiens ]
<b>Official Symbol</b>	COL2A1
<b>Synonyms</b>	COL2A1; collagen, type II, alpha 1; collagen, type II, alpha 1 (primary osteoarthritis, spondyloepiphyseal dysplasia, congenital) , SEDC; collagen alpha-1(II) chain; chondrocalcin; cartilage collagen; alpha-1 type II collagen; collagen II, alpha-1 polypeptide; AOM; ANFH; SEDC; COL11A3; MGC131516;
<b>Gene ID</b>	1280
<b>mRNA Refseq</b>	NM_001844
<b>Protein Refseq</b>	NP_001835
<b>MIM</b>	120140
<b>UniProt ID</b>	P02458

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