

Collagen Type II Alpha 1 (COL2a1) Recombinant Protein | COL2a1 recombinant protein

Recombinant Collagen Type II Alpha 1 (COL2a1)

CATALOG # AAA152233	HOST E Coli	APPLICATIONS Western Blot, SDS-Page
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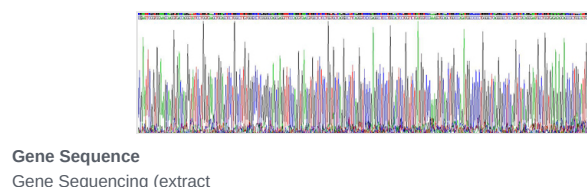
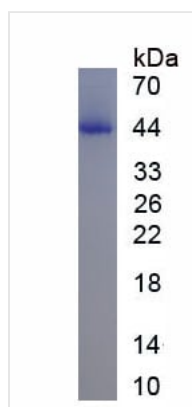
PRODUCT SYNONYMS

Collagen Type II Alpha 1 (COL2a1); Recombinant Collagen Type II Alpha 1 (COL2a1); COL2a1/Collagen Type II Alpha 1; COL2-A1; COL2A1; SEDC; Chondrocalcin; Collagen Alpha-1(II)Chain; Primary Osteoarthritis; Spondyloepiphyseal Dysplasia; Congenital; COL2a1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% by SDS-PAGE
Form/Format	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. Freeze-dried powder
Sequence	Gly677~Ala 817
Applicable Applications for COL2a1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Expression System	Prokaryotic expression
Species	Mouse
Isoelectric Point	6.3
Tag	N-terminal His and GST Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0mg/mL. Do not vortex.
Subcellular Location	Secreted
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months Stable for 12 months if correctly stored.

IMAGES



SDS-PAGE
SDS-PAGE

Sequence

Product Categories/Family for COL2a1 recombinant protein	Metabolic pathway; Prokaryotic Recombinant proteins/RP
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NCBI GI #	125987808
NCBI GeneID	12824
UniProt Accession #	P28481; Q61428; Q62031; Q62032; Q62033; Q641K3; Q6LDB1; Q6LDI8; Q6LDI9; Q80VY3; Q80X38; Q8CEF7
Molecular Weight	134,722 Da
NCBI Official Full Name	Collagen alpha-1(II) chain
NCBI Official Synonym Full Names	collagen, type II, alpha 1
NCBI Official Symbol	Col2a1
NCBI Official Synonym Symbols	Dmm; Lpk; Col2; Del1; Col2a; Col2a-1; M100856; Rgsc856
NCBI Protein Information	collagen alpha-1(II) chain; collagen alpha-1(II) chain; chondrocalcin; alpha-1 type II collagen; disproportionate micromelia; procollagen, type II, alpha 1
UniProt Protein Name	Collagen alpha-1(II) chain
UniProt Gene Name	Col2a1
UniProt Entry Name	CO2A1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

Online datasheet: <https://stage.aaabiotech.com/col2a1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/152233>