

Collagen Type II Alpha 1 Recombinant Protein | COL2a1 recombinant protein

Recombinant Collagen Type II Alpha 1 (COL2a1)

CATALOG # AAA144384	HOST Host: E ColiSource: Prokaryotic expression	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
-------------------------------	---	---

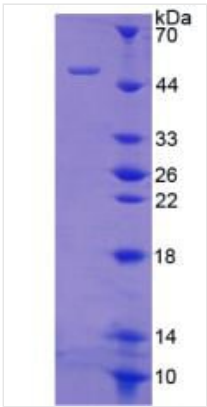
PRODUCT SYNONYMS

Collagen Type II Alpha 1; Recombinant Collagen Type II Alpha 1 (COL2a1); COL2a1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Host: E Coli Source: Prokaryotic expression
Purity/Purification	>95%
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Sequence	The target protein is fused with two N-terminal Tags, His-tag and GST-tag. Its sequence is listed below. LKSLNNQ IESIRSPEGS RKNPARTCRD LQLCHPEWKS GDYWIDPNQG CTLDAMKVFC NMETGETCVY PNPATVPKKN WWSSKSQKQQ HWWFGETING GFHFSYGDSS LPPNTANVQM TFLRLSTEG SQNITYHCKN SVAYLDEATG NLKKALLQG SNDVEIRAEG NSRFTYTVLQ DGCTKHTGKW GKTV
Sequence Length	1160
Applicable Applications for COL2a1 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Predicted Molecular Mass	51.4kDa
Accurate Molecular Mass (KD)	51kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Expression System	Prokaryotic expression
Tag	N-terminal His-Tag, GST-tag, S-tag
Organism Species	Oryctolagus cuniculus (Rabbit)
Fragment	Asp25~Glu208
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



LK SLNNQIESIR SPEGSRKNPA RTCRDLQLCH PEWKSGDYWI
DPINQGCTLDA MKVFCNMETG ETCVYPNPAT VPKKNWSSK SQKQHVWFG
ETINGGFHFS YGDSSLPPNT ANVQMTFLRL LSTEGSQNIT YHCKNSVAYL
DEATGNLKA LLLQGSNDVE IRAEGNSRFT YTVLQDGCTK HTGKHWGKT

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	30041
NCBI GeneID	1280
UniProt Accession #	P02458; Q12985; Q14009; Q14044; Q14045; Q14046; Q14047; Q14056; Q14058; Q16672; Q1JQ82; A6NGA0
Molecular Weight	29,781 Da
NCBI Official Full Name	COL2A1, partial
NCBI Official Synonym Full Names	collagen, type II, alpha 1
NCBI Official Symbol	COL2A1
NCBI Official Synonym Symbols	AOM; ANFH; SEDC; STL1; COL11A3
NCBI Protein Information	collagen alpha-1(II) chain
UniProt Protein Name	Collagen alpha-1(II) chain
UniProt Gene Name	COL2A1
UniProt Entry Name	CO2A1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/col2a1-recombinant-protein-host-e-coli-br-source-prokaryotic-expression-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/144384>