

Collagen Type XI Alpha 1 Recombinant Protein | COL11a1 recombinant protein

Recombinant Collagen Type XI Alpha 1 (COL11a1)

CATALOG # AAA150238	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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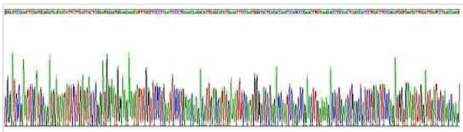
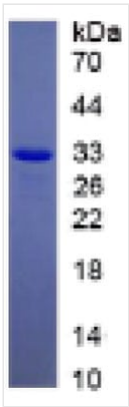
PRODUCT SYNONYMS

Collagen Type XI Alpha 1; Recombinant Collagen Type XI Alpha 1 (COL11a1); COL11-A1; CO11A1; COLL6; STL2; Collagen Alpha-1(XI)chain; COL11a1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 95%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 350ug/mL (varies by lot)
Applicable Applications for COL11a1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Asp1564~Gly1806
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	4.5
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
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. 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 rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE

DADDNIL DYSOGHEEIF GSLNSLKQDI EHMKFPMGTQ
TNPARTCKDL QLSHPDFPDG EYWIDPNQGC SGDSFKVYCN FTSGGETCIY
PDKKSEGVRI SSWPKEKPGS WFSEFKRGKL LSYLDVEGNS INPMVQMTFLK
LLTASARQNF TYHCHQSAAW YDVSSGSYDK ALRFLGSNDE EMSYDNNPFI
KTLVDGCASR KGYEKTVEIEI NTPKIDQVPI VDVHINDFGD QNQKFGFEVG
PVCFLG

Sequence

ADDITIONAL INFORMATION

Product Categories/Family for COL11a1 recombinant protein Metabolic pathway; Developmental science; Nutrition metabolism; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	299523257
NCBI GeneID	1301
NCBI Accession #	NP_001177638.1
NCBI GenBank Nucleotide #	NP_001177638.1
UniProt Accession #	P12107
Molecular Weight	Predicted Molecular Mass: 31.2kDa Accurate Molecular Mass: 33kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	collagen alpha-1(XI) chain isoform E preproprotein
NCBI Official Synonym Full Names	collagen type XI alpha 1 chain
NCBI Official Symbol	COL11A1
NCBI Official Synonym Symbols	STL2; COLL6; CO11A1; DFNA37
NCBI Protein Information	collagen alpha-1(XI) chain
UniProt Protein Name	Collagen alpha-1(XI) chain
UniProt Gene Name	COL11A1
UniProt Synonym Gene Names	COLL6
UniProt Entry Name	COBA1_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.

