

Collagen Type IV Alpha 1 (COL4a1) Recombinant Protein | COL4a1 recombinant protein

Recombinant Collagen Type IV Alpha 1 (COL4a1)

CATALOG # AAA20205	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS SDS-Page, Western Blot
------------------------------	-----------------------	---	---

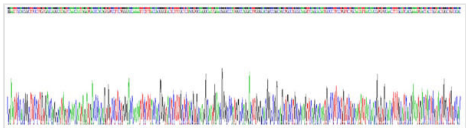
PRODUCT SYNONYMS

Collagen Type IV Alpha 1 (COL4a1); Recombinant Collagen Type IV Alpha 1 (COL4a1); COL4a1 recombinant protein

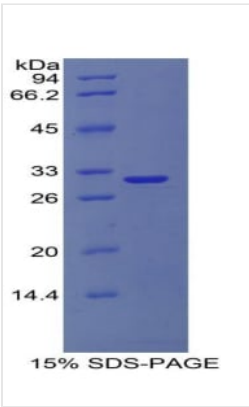
PRODUCT SPECIFICATIONS

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: 1000ug/mL (varies by lot)
Sequence	HGFLVTRHSQ TIDDPQCPSG TKILYHGYSL LYVQGNERAH GQDLGTAGSC LRFKSTMPFL FCNINNVCNF ASRNDYSYWL STPEPMPMSM APITGENIRP FISRCVCEA PAMVMAVHSQ TIQIPPCPSG WSSLWIGYSF VMHTSAGAEG SGQALASPGS CLEEFRSAPF IECHGRGTCN YYANAYSFWL ATIERSEMFK KPTPSTLKAG ELRTHVSRQC VCMRRT
Applicable Applications for COL4a1 recombinant protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Application Notes	(May be suitable for use in other assays to be determined by the end user.)
Source	Prokaryotic expression
Residues	His1444~Thr1669
Tags	N-terminal His Tag
Subcellular Location	Secreted, Extracellular matrix
Traits	Freeze-dried powder
Predicted isoelectric point	6.7
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 Sequencing (Extract)



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	148536825
NCBI GeneID	1282
NCBI Accession #	NP_001836.2
NCBI GenBank Nucleotide #	NM_001845.4
UniProt Accession #	P02462; Q1P9S9; Q5VWF6; Q86X41; Q8NF88; Q9NYC5; A7E2W4; B1AM70
Molecular Weight	Predicted Molecular Mass: 31.7kDa Accurate Molecular Mass: 31kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	collagen alpha-1(IV) chain preproprotein
NCBI Official Synonym Full Names	collagen, type IV, alpha 1
NCBI Official Symbol	COL4A1
NCBI Official Synonym Symbols	ICH; HANAC; POREN1; arresten
NCBI Protein Information	collagen alpha-1(IV) chain; collagen alpha-1(IV) chain; COL4A1 NC1 domain; collagen IV, alpha-1 polypeptide; collagen of basement membrane, alpha-1 chain
UniProt Protein Name	Collagen alpha-1(IV) chain
UniProt Gene Name	COL4A1
UniProt Entry Name	CO4A1_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.