

Collagen Type VII (COL7) Recombinant Protein | COL7 recombinant protein

Recombinant Collagen Type VII (COL7)

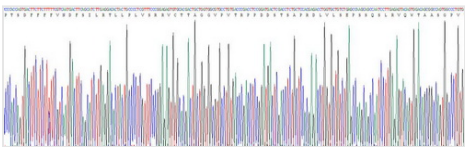
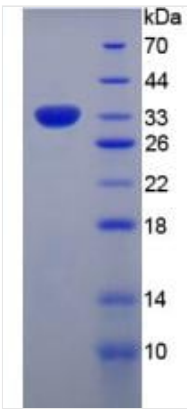
CATALOG # AAA20331	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS SDS-Page, Western Blot
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PRODUCT SYNONYMS

Collagen Type VII (COL7); Recombinant Collagen Type VII (COL7); COL7 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 95%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .
Concentration	Original Concentration: 100ug/mL (varies by lot)
Applicable Applications for COL7 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	Pro190~Asp472
Tags	N-terminal His Tag
Subcellular Location	Secreted, Extracellular matrix
Traits	Freeze-dried powder
Predicted isoelectric point	6.4
Usage	Reconstitute in ddH2O to a concentration of 0.1-0.5 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.



Gene Sequencing (Extract)

SDS-PAGE

FSILRTLPLVSRRVCTTAGGVPVTRPPDDSTAPRDLVLEPSSQSLRVQWTAASGPVTGYKVQYTPLTGLGQPLPSERQEVNVPAGETSVRLRGLRPLTEYQVTIVIALYANSIGEAVSGTARTTALEGPETLIQNTTASHLLVAMRSVPGATGYRVTRVRLSGGPTQQELGPGQGSVLLRDLEPGTDYEVTVSTLFGRSVGPATSLMARTDASVEQTLRPVILGPTSILLSWNLVPEARGYRLEWRRETGLEPPQKVVLPSDVTRYQLD

P

TSDDFFVFND

Sequence Information

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502961
NCBI GeneID	1294
NCBI Accession #	NP_000085.1
NCBI GenBank Nucleotide #	NM_000094.3
UniProt Accession #	Q02388; Q14054; Q16507
Molecular Weight	Predicted Molecular Mass: 31.9kDa Accurate Molecular Mass: 34kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	collagen alpha-1(VII) chain
NCBI Official Synonym Full Names	collagen, type VII, alpha 1
NCBI Official Symbol	COL7A1
NCBI Official Synonym Symbols	EBD1; EBR1; EBDCT
NCBI Protein Information	collagen alpha-1(VII) chain; collagen alpha-1(VII) chain; LC collagen; long-chain collagen; collagen VII, alpha-1 polypeptide
UniProt Protein Name	Collagen alpha-1(VII) chain
UniProt Gene Name	COL7A1
UniProt Synonym Gene Names	LC collagen
UniProt Entry Name	CO7A1_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.