Collagen Type XVII (COL17) Recombinant Protein | COL17 recombinant protein

Recombinant Collagen Type XVII (COL17)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA134716	**E.coli**	**Source||Prokaryotic expression**	**Western Blot, SDS-Page**

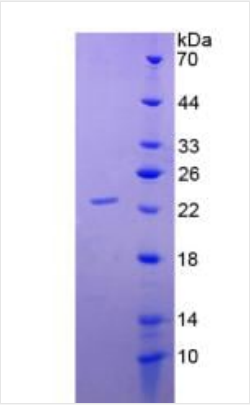
PRODUCT SYNONYMS

Collagen Type XVII (COL17); Recombinant Collagen Type XVII (COL17); COL17 recombinant protein

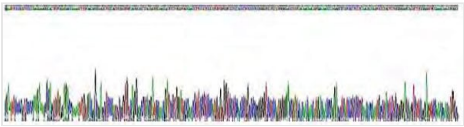
PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Source||Prokaryotic expression
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for COL17 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Pro184~Pro375
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	7.2
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



SDS-PAGE



Gene Sequence
Gene Sequencing (extract

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                                        PIPKKGT VETKIVTASS
QSVSGTYDAT ILDANLPSHV WSSTLPAGSS MGTYHNNMTT QSSSLLNTNA
YSAGSVFGVP NNMASCSPTL HPGLSTSSSV FGMQNNLAPS LTTLSHGTTT
TSTAYGVKKN MPQSPAAVNT GVSTSAACTT SVQSDDLLHK DCKFLILEKD
NTPAKKEMEL LIMTKDSGKV FTASP
```

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	119829187
NCBI GeneID	1308
NCBI Accession #	NP_000485.3
NCBI GenBank Nucleotide #	NM_000494.3
UniProt Accession #	Q9UMD9; Q02802; Q5JV36; Q99018; Q9NQK9; Q9UC14
Molecular Weight	Predicted Molecular Mass: 21.2kDa Accurate Molecular Mass: 23kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	collagen alpha-1(XVII) chain
NCBI Official Synonym Full Names	collagen, type XVII, alpha 1
NCBI Official Symbol	COL17A1
NCBI Official Synonym Symbols	BP180; BPA-2; BPAG2; LAD-1; BA16H23.2
NCBI Protein Information	collagen alpha-1(XVII) chain; collagen alpha-1(XVII) chain; alpha 1 type XVII collagen; type XVII collagen alpha-1; collagen XVII, alpha-1 polypeptide; 180 kDa bullous pemphigoid antigen 2; bullous pemphigoid antigen 2 (180kD); bA16H23.2 (collagen, type XVII, alpha 1 (BP180))
UniProt Protein Name	Collagen alpha-1(XVII) chain
UniProt Gene Name	**COL17A1**
UniProt Synonym Gene Names	BP180; BPAG2; LAD-1; 97 kDa LAD antigen; 97-LAD; LABD97
UniProt Entry Name	COHA1_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.

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Online datasheet: https://www.aaabiotech.com/col17a1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134716