

Collagen Type IV Alpha 5 (COL4a5) Recombinant Protein | COL4a5 recombinant protein

Recombinant Collagen Type IV Alpha 5 (COL4a5)

CATALOG # AAA133946	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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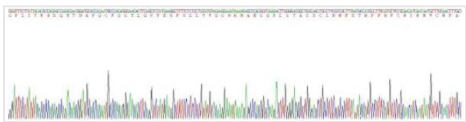
PRODUCT SYNONYMS

Collagen Type IV Alpha 5 (COL4a5); Recombinant Collagen Type IV Alpha 5 (COL4a5); COL4a5 recombinant protein

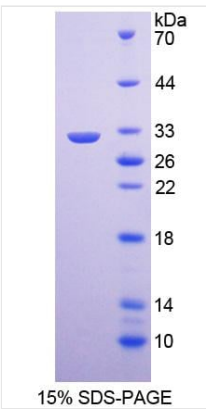
PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 97%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 150ug/mL (varies by lot)
Sequence	GFLITRHSQT TDAPQCPQGT LQVYEGFSLL YVQGNKRAHG QDLGTAGSCL RRFSTMPFMF CNINNVCNFA SRNDYSYWLS TPEPMPMSMQ PLKGQSIQPF ISRCAVCEAP AVVIAVHSQT IQIPHCPQGW DSLWIGYSFM MHTSAGAEGS GQALASPGSC LEEFRSAPFI ECHGRGTCNY YANSYSFWLA TVDVSDMFSK PQSETLKAGD LRTRISRCQV CMKRT
Applicable Applications for COL4a5 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Gly1461~Thr1685
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	6.5
Usage	Reconstitute in 10mM PBS (pH7.4) 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



Application Data
Identification



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502955
NCBI GeneID	1287
NCBI Accession #	NP_000486.1
NCBI GenBank Nucleotide #	NM_000495.4
UniProt Accession #	P29400; Q16006; Q16126; Q6LD84; Q7Z700; Q9NUB7
Molecular Weight	Predicted Molecular Mass: 31.6kDa Accurate Molecular Mass: 31kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	collagen alpha-5(IV) chain isoform 1
NCBI Official Synonym Full Names	collagen, type IV, alpha 5
NCBI Official Symbol	COL4A5
NCBI Official Synonym Symbols	ATS; ASLN; CA54
NCBI Protein Information	collagen alpha-5(IV) chain; collagen alpha-5(IV) chain; dA24A23.1; dA149D17.3; collagen IV, alpha-5 polypeptide; collagen of basement membrane, alpha-5 chain
UniProt Protein Name	Collagen alpha-5(IV) chain
UniProt Gene Name	COL4A5
UniProt Entry Name	CO4A5_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.