

Collagen alpha-1(IV) chain (COL4A1) Recombinant Protein | COL4A1 recombinant protein

Recombinant Human Collagen alpha-1(IV) chain (COL4A1), partial

CATALOG # AAA113495	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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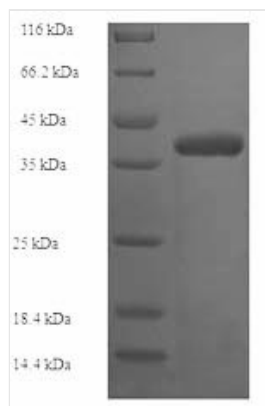
PRODUCT SYNONYMS

Collagen alpha-1(IV) chain (COL4A1); Recombinant Human Collagen alpha-1(IV) chain (COL4A1); partial; COL4A1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1445-1669. Partial-length
Sequence	GFLVTRHSQT IDDPQCPSGT KILYHGYSLL YVQGNERRAHG QDLGTAGSCL RKFSTMPFLF CNINNVCNFA SRNDYSYWLS TPEPMPMSMA PITGENIRPF ISRCVCEAP AMVMAVHSQT IQIPPCPSGW SSLWIGYSFV MHTSAGAEGS GQALASPGSC LEEFRSAPFI ECHGRGTCNY YANAYSFWLA TIERSEMFKK PTPSTLKAGE LRTHVSRQCQV CMRRT
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for COL4A1 recombinant protein	Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Arresten, comprising the C-terminal NC1 domain, inhibits angiogenesis and tumor formation. The C-terminal half is found to possess the anti-angiogenic activity. Specifically inhibits endothelial cell proliferation, migration and tube formation. Inhibits expression of hypoxia-inducible factor 1alpha and ERK1/2 and p38 MAPK activation. Ligand for alpha1/beta1 integrin.
Product Categories/Family for COL4A1 recombinant protein	Cancer

References

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NCBI AND UNIPROT INFORMATION

NCBI GI #	734520332
NCBI GeneID	1282
NCBI Accession #	NP_001290039.1
NCBI GenBank Nucleotide #	NM_001303110.1
UniProt Accession #	P02462; Q1P9S9; Q5VWF6; Q86X41; Q8NF88; Q9NYC5; A7E2W4; B1AM70
Molecular Weight	40.9 kDa
NCBI Official Full Name	collagen alpha-1(IV) chain isoform 2
NCBI Official Synonym Full Names	collagen type IV alpha 1
NCBI Official Symbol	COL4A1
NCBI Official Synonym Symbols	BSVD; RATOR
NCBI Protein Information	collagen alpha-1(IV) chain
UniProt Protein Name	Collagen alpha-1(IV) chain
UniProt Gene Name	COL4A1
UniProt Entry Name	CO4A1_HUMAN

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