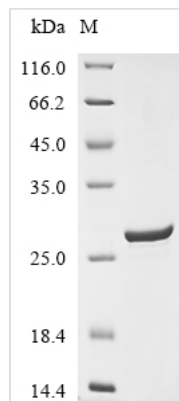




Recombinant Human Collagen alpha-1 (XV) chain (COL15A1), partial

Product Code	CSB-EP005722HU
Abbreviation	Recombinant Human COL15A1 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P39059
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	HLDLTQLIGVPLPSSVSFVTGYGGFPAYSFGPGANVGRPARTLIPSTFFRDFAI SVVVKPSSTRGGVLFAITDAFQKVIYLGRLSGVEDGHQRIILYYTEPGSHVSQ EAAAFSVPVMTHRWNRFAMIVQGEEVTLLVNCEEHSRIPFQRSSQALAFESSA GIFMGNAGATGLERFTGSLQQLTVHPDP
Research Area	Cancer
Source	E.coli
Target Names	COL15A1
Expression Region	40-228aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged
Mol. Weight	26.5 kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Recombinant Human COL15A1 protein is an ideal choice for researchers investigating the role of collagen in cancer biology. The collagen alpha-1(XV) chain, encoded by the COL15A1 gene, is an essential component of basement membranes, where it participates in the regulation of cellular functions, including cell adhesion, migration, and proliferation.

This recombinant protein features a partial sequence of the human COL15A1 (40-228aa) and is produced in E.coli, ensuring a high-quality and reliable protein for your research needs. The N-terminal 10xHis tag facilitates easy purification and detection in various applications. With a purity greater than 90% as determined by SDS-PAGE, our Recombinant Human COL15A1 protein offers a consistent and reliable tool for cancer research. The lyophilized powder format provides convenience and stability, enabling easy reconstitution and immediate use in your experiments.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.