



Recombinant Bovine Collagen alpha-1 (IV) chain (COL4A1)

Product Code	CSB-EP742450BO-B
Abbreviation	COL4A1
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.	Q7SIB2
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	>85% (SDS-PAGE)
Sequence	SVDHGFLVTR HSQTDDDPQC PPGTKILYHG YSLLYVQGNE RAHGQDLGTA GSCLRKFSTM PFLFCNINNV CNFASRNDYS YWLSTPEPMP MSMAPITGEN IRPFISRCV CEAPAMVMAV HSQTIQIPQC PTGWSSLWIG YSFVMHTSAG AEGSGQALAS PGSCLEEFRS APFIECHGRG TCNYYANAYS FWLATIERSE MFKKPTPSTL KAGELRTHVS RCQVCMRRT
Source	E.coli
Target Names	COL4A1
Protein Names	Recommended name: Collagen alpha-1(IV) chain
Expression Region	1-229
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes the major type IV alpha collagen chain of basement membranes. Like the other members of the type IV collagen gene family, this gene is organized in a head-to-head conformation with another type IV collagen gene so that each gene pair shares a common promoter.
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.