



Recombinant Human Collagen alpha-2 (IX) chain (COL9A2)

Product Code	CSB-EP617900HU-B
Abbreviation	COL9A2
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.	Q14055
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	QIRGPPG ERGPPGPPGP PGVPGSDGID GDNGPPGKAG PPGPKGEPGK AGPDGPDGKP GIDGLTGAKG EPGPMGIPGV KGQPGLPGPP GLPGPGFAGP PGPPGPVGLP GEIGIRGPKG DPGPDGSPG PGPPGKGRP GTIQGLEGSA DFLCPTNCPG GMKGPPGLQG VKGHAGKRG I LGDPGHQGKP GPKGDVGASG EQGIPGPPGP QGIRGYPGMA GPKGETGPHG YKGMVGAIGA TGPPGEEGPR GPPGRAGEKG DEGSPGIRGP QGITGPKGAT GPPGINGKDG TPGTPGMKGS AGQAGQPGSP GHQQLAGVPG QPGTKGGPGD QGEPGPQGLP GFSGPPGKEG EPGPRGEIGP QGIMGQKGDQ GERGPVQPG PQGRQGPKGE QGPPGIPGPQ GLPGVKGDKG SPGKTGPRGK VGDPGVAGLP GEKGEKGESG EPGPKGQQGV RGEPPGYPGPS GDAGAPGVQG YPGPPGPRGL AGNRGVPQQP GRQVVEGRDA TDQHIVDVAL KMLQEQLAEV AVSAKREALG AVGMMGPPGP PGPPGYPGKQ GPHGHPGPRG VPGIVGAVGQ IGNTGPKGKR GEKGDPEVG RGHGMPGPP GIPGLPGRPG QAINGKDGDR GSPGAPGEAG RPGLPGPVGL PGFCEPAACL GASAYASARL TEPGSIKGP
Source	E.coli
Target Names	COL9A2
Protein Names	Recommended name: Collagen alpha-2(IX) chain
Expression Region	24-689
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 of Mature Protein
Target Details	This gene encodes one of the three alpha chains of type IX collagen, the major collagen component of hyaline cartilage. Type IX collagen, a heterotrimeric molecule, is usually found in tissues containing type II collagen, a fibrillar



collagen. This chain is unusual in that, unlike the other two type IX alpha chains, it contains a covalently attached glycosaminoglycan side chain. Mutations in this gene are associated with multiple epiphyseal dysplasia.

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

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