



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

<b>Product Code</b>	CSB-EP617900HU
<b>Abbreviation</b>	COL9A2
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q14055
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>QIRGPPG ERGPPGPPGP PGVPGSDGID GDNGPPGKAG PPGPKGEPGK  AGPDGPDGKP GIDGLTGAKG EPGPMGIPGV KGQPGLPGPP GLPGPGFAGP  PGPPGPVGLP GEIGIRGPKG DPGPDGSPGP 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 RGEPGYPGPS GDAGAPGVQG YPGPPGPRGL  AGNRGVPGQP GRQGVGRDA TDQHIVDVAL KMLQEQLAEV AVSAKREALG  AVGMMGPPGP PGPPGYPGKQ GPHGHPGPRG VPGIVGAVGQ  IGNTGPKGKR GEKGDPEVG RGHGMPGPP GIPGLPGRPG  QAINGKDGDR GSPGAPGEAG RPGLPGPVGL PGFCEPAACL GASAYASARL  TEPGSIKGP</p>
<b>Source</b>	E.coli
<b>Target Names</b>	COL9A2
<b>Protein Names</b>	Recommended name: Collagen alpha-2(IX) chain
<b>Expression Region</b>	24-689
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.

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**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.

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**Shelf Life**

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