



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

<b>Product Code</b>	CSB-MP617900HU
<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>	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 RGEPGYGPS GDAGAPGVQG YPGPPGPRGL AGNRGVPQQP GRQVVEGRDA TDQHIVDVAL KMLQEQLAEV AVSAKREALG AVGMMGPPGP PGPPGYPGKQ GPHGHPGPRG VPGIVGAVGQ IGNTGPKGKR GEKGDPEVG RGHPGMPGPP GIPGLPGRPG QAINGKDGDR GSPGAPGEAG RPGLPGPVGL PGFCEPAACL GASAYASARL TEPGSIKGP
<b>Source</b>	Mammalian cell
<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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