



# Recombinant Human Collagen alpha-3 (IX) chain (COL9A3)

<b>Product Code</b>	CSB-YP614510HU
<b>Abbreviation</b>	COL9A3
<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>	Q14050
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>QRVGL PGPPGPPGPP GKPGQDGDIDG EAGPPGLPGP PGPKGAPGKP  GKPGEAGLPG LPGVDGLTGR DGPPGPKGAP GERGSLGPPG  PPGLGGKGLP GPPGEAGVSG PPGGIGLRGP PGPSGLPGLP  GPPGPPGPPG HPGVLPEGAT DLQCPSICPP GPPGPPGMPG  FKGPTGYKGE QGEVGDGEEK GDPGPPGPAG LPGSVGLQGP  RGLRGLPGPL GPPGDRGPIG FRGPPGIPGA PGKAGDRGER  GPEGFRGPKG DLGRPGPKGT PGVAGPSGEP GMPGKDGQNG  VPGLDGQKGE AGRNGAPGEK GPNGLPGLPG RAGSKGEKGE  RGRAGELGEA GPSGEPGVPG DAGMPGERGE AGHRGSAGAL  GPQGPPGAPG VRGFQGQKGS MGDPLPGPQ GLRGDVGDRG  PGGAAGPKGD QGIAGSDGLP GDKGELGPSG LVGPKGESGS  RGELGPKGTQ GPNGTSGVQG VPGPPGPLGL QGVPGVPGIT  GKPGVPGKEA SEQRIRELCG GMISEQIAQL AAHLRKPLAP GSIGRPGPAG  PPGPPGPPGS IGHPGARGPP GYRGPTGELG DPGPRGNQGD  RGDKGAAGAG LDGPEGDQGP QGPQGVPGTS KDGQDGPGE  PGPPGDPGLP GAIGAQGTPG ICDTSACQGA VLGGVGEKSG SRSS</p>
<b>Source</b>	Yeast
<b>Target Names</b>	COL9A3
<b>Protein Names</b>	Recommended name: Collagen alpha-3(IX) chain
<b>Expression Region</b>	26-684
<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. 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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