



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

Product Code	CSB-MP614510HU
Abbreviation	COL9A3
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.	Q14050
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	QRVGL PGPPGPPGPP GKPGQDGIDG EAGPPGLPGP PGPKGAPGKP GKPGEAGLPG LPGVDGLTGR DGPPGPKGAP GERGSLGPPG PPGLGGKGLP GPPGEAGVSG PPGGIGLRGP PGPSGLPGLP GPPGPPGPPG HPGVLPEGAT DLQCPSICPP GPPGPPGMPG FKGPTGYKGE QGEVGDGKGEK 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 KDGQDGAPGE PGPPGDPGLP GAIGAQGTPG ICDTSACQGA VLGGVGEKSG SRSS
Source	Mammalian cell
Target Names	COL9A3
Protein Names	Recommended name: Collagen alpha-3(IX) chain
Expression Region	26-684
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. 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

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.