

Recombinant Mouse COL3A1 Protein

Catalog #	Source	Reactivity	Applications
CRP1323	Human cells	Mouse	E, WB, SDS-PAGE, MS

Description Recombinant Mouse COL3A1 Protein is produced by our mammalian expression system and the target gene encoding Gln155-Gly1219 is expressed with a 6His tag at the C-terminus.

Form Liquid in a 0.2 μM filtered solution of 20mM HAc-NaAc, 150mM NaCl, pH 4.5.

Gene Symbol COL3A1

Alternative Names Collagen alpha-1(III) chain

Entrez Gene 12825 (Mouse)

SwissProt P08121 (Mouse)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure QFDSYDVKSG VGGMGGYPGP AGPPGPPGPP GSSGHPGSPG SPGYQGPPGE
 PGQAGPAGPP GPPGALGPAG PAGKDGESGR PGRPGERGLP GPPGIKGPAG
 MPGFPGMKGH RGFDRNGEK GETGAPGLKG ENLPGDNGA PGPMGPRGAP
 GERGRPLPG AAGARGNDGA RGSQGQPGPP GPPGTAGFPG SPGAKGEVGP
 AGSPGSNGSP GQRGEPGPQG HAGAQQPPGP PGNNGSPGGK GEMGPAGIPG
 APGLIGARGP PGPAGTNGIP GTRGPSGEPG KNGAKGEPGA RGERGEAGSP GIPGPKGEDG
 KDGSPGEPGA NGLPGAAGER GPSGFRGPAG PNGIPGEKGP PGERGGPGPA
 GPRGVAGEPG RDGTPGGPGI RGMPGSPGGP GNDGKPGPPG SQGESGRPGP
 PGPSGPRGQP GVMGFPGPKG NDGAPGKNGE RGGPGGGLP GPAGKNGETG
 PQGPPGPTGP AGDKGDSGPP GPQGLQGIPG TGGPPGENGK PGEPGPKGEV
 GAPGAPGGKG DSGAPGERGP PGTAGIPGAR GGAGPPGPEG GKGPAAGPPGP
 PGASGSPGLQ GMPGERGGPG SPGPKGEKGE PGGAGADGVP GKDGRGPAG

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

PIGPPGAGQ PGDKGEGGSP GLPGIAGPRG GPGERGEHGP PGPAGFFGAP
GQNGEPGAKG ERGAPGEKGE GGPPGAGPT GSSGPAGPPG PQGVKGERGS
PGGPGTAGFP GGRGLPGPPG NNGNPGPPGP SGAPGKDGPP GPAGNSGSPG
NPGIAGPKGD AGQPGEKGP GAQGGPGSPG PLGIAGLTGA RGLAGPPGMP
GPRGSPGPQG IKGESGKPGA SGHNGERGPP GPQGLPGQPG TAGEPGRDGN
PGSDGQPGRD GSPGGKDRG ENGSPGAPGA PGHPGPPGPV GPSGKSGDRG
ETGPAGPSGA PGPAGARGAP GPQGPRGDKG ETGERGSNGI KGHGFPGNP
GPPGSPAAG HQGAIGSPGP AGPRGPVGP GPPGKDGTS GHPGIPPPGP
RGNRGERGSE GSPGHPGQPG PPGPPGAPG CCGGGAAAIA GVGGEKSGGF
SPYYGVDHHH HHH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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