

## Recombinant Human COL8A1 Protein

Catalog #	Source	Reactivity	Applications
CRP1324	Human cells	Human	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Human COL8A1 Protein is produced by our Mammalian expression system and the target gene encoding Gly28-Met744 is expressed with a 6His tag at the C-terminus.
<b>Form</b>	Lyophilized from a 0.2 μM filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.
<b>Gene Symbol</b>	COL8A1
<b>Alternative Names</b>	C3orf7; Collagen alpha-1(VIII) chain; Endothelial collagen
<b>Entrez Gene</b>	1295 (Human)
<b>SwissProt</b>	P27658 (Human)
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
<b>Chemical Structure</b>	GAYYGKPLP PQIPPQMPPQ IPQYQPLGQQ VPHMPLAKDG LAMGKEMPHL QYGKEYPHLP QYMKEIQPAP RMGKEAVPKK GKEIPLASLR GEQGPRGEPG PRGPPGPPGL PGHGIPGIKG KPGPQGYPGV GKPGMPGMPG KPGAMGMPGA KGEIGQKGEI GPMGIPGPQG PPGPHGLPGI GKPGGGPLPG QPGPKGDRGP KGLPGPQGLR GPKGDKGFGM PGAPGVKGGP GMHGPPGPVG LPGVGKPGVT GFPGPQGPLG KPGAPGEPG QGPIGVPGVQ GPPGIPGIGK PGQDGIPGQP GFPGGKGEQG LPGLPGPPGL PGIGKPGFPG PKGDRGMGGV PGALGPRGEK GPIGAPGIGG PPGEPLPGI PGPMGPPGAI GFPGPKGEGG IVGPQGPPGP KGEPGLQGFP GKPGFLGEVG PPGMRGLPGP IGPKGEAGQK GVPGLPGVPG LLGPKGEPGI PGDQGLQGPP GIPGIGGPGS PIGPPGIPGP KGEPGLPGPP GFPGIGKPGV AGLHGPPGKP GALGPQQQPG LPGPPGPPGP PGPPAVMPPT PPPQGEYLPD MGLGIDGVKP PHAYGAKK GK NGGPAYEMPA FTAELTAPFP PVGAPVKFNK LLYNGRQNYN PQTGIFTCEV PGVYFAYHV HCKGGNVWVA LFKNNEPVMY TYDEYKKGFL

**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

### COHESION BIOSCIENCES LIMITED

**WEB**  
www.cohesionbio.com

**ORDER**  
order@cohesionbio.com

**SUPPORT**  
techsupport@cohesionbio.com

**CUSTOM**  
custom@cohesionbio.com

# Product Data Sheet

DQASGSAVLL LRPGDRVFLQ MPSEQAAGLY AGQYVHSSFS GYLLYPMVDH HHHHH

## 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. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

**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

## COHESION BIOSCIENCES LIMITED

### WEB

[www.cohesionbio.com](http://www.cohesionbio.com)

### ORDER

[order@cohesionbio.com](mailto:order@cohesionbio.com)

### SUPPORT

[techsupport@cohesionbio.com](mailto:techsupport@cohesionbio.com)

### CUSTOM

[custom@cohesionbio.com](mailto:custom@cohesionbio.com)