

## Recombinant Human COL1A1 Protein

Catalog #	Source	Reactivity	Applications
CRP7001	Komagataella phaffii	H	

<b>Description</b>	Recombinant Human COL1A1 Protein is produced by Komagataella phaffii expression system and the target gene encoding Q162-A1218 is expressed with a 6His tag at the C-terminus.
<b>Form</b>	Lyophilized powder
<b>Gene Symbol</b>	COL1A1
<b>Alternative Names</b>	Collagen alpha-1(I) chain; Alpha-1 type I collagen
<b>Entrez Gene</b>	1277
<b>SwissProt</b>	P02452
<b>Purity</b>	Greater than 90% as determined by reducing SDS-PAGE.
<b>Chemical Structure</b>	<p>WSHPQFEKQLSYGYDEKSTGGISVPGPMGSPGRGLPGPPGAPGPQGFQGGPPGE            PGEPGASGPMGPRGPPGPPGKNGDDGEAGKPRPGERGPPGPQGARGLPGTA            GLPGMKGHRGFSGLDGAKGDAGPAGPKGEPGSPGENGAPGQMGRPLPGERG            RPGAPGARGNDGATGAAGPPGPTGPAGPPGFPGAVGAKGEAGPQGRGSE            GPQGVRRGEPGPPGAGAAGPAGNPGADGQPGAKGANGAPGIAGAPGFPGARG            PSGPQGGPPGPKGNSGEPGAPGSKGDTGAKGEPGPVGVQGGPPGAGEEGKR            GARGEPGPTGLPGPPGERGGPGSRGFPGADGVAGPKGPAGERGSPGPAGPKGSP            GEAGRPGEAGLPKAGLGTGSPGSPDGKTGPPGPAGQDGRPGPPGPPGARGQ            AGVMGFPGPKGAAGEPGKAGERGVPPGAVGPAGKDGEAGAQGGPPGAPGA            GERGEQGPAGSPGFQGLPGAGPPGEAGKPGEQGVPGDLGAPGSPGARGERGF            PGERGVQGGPPGAPPRGANGAPGNDGAKGDAGAPGAPGSQGAPGLQGMPGE            RGAAGLPKGDGRGDAGPKGADGSPGKDGVRGLTGPPIGPPGAPGAPGDKGESGP</p>

**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)

# Product Data Sheet

SGPAGPTGARGAPGDRGEPGPPGAGFAGPPGADGQPGAKGEPGDAGAKGDAG  
PPGPAGPAGPPGPIGNVGAPGAKGARGGARGSAGPPGATGFPGAAGRVPVPPGSPGNAG  
PPGPPGAGKEGGKGRGETGPAGRPGEVGPVPPGPPGAGEKGSPPGADGPAGAPG  
TPGPQGIAGQRGVVGLPGQRGERGFPLPGPSGEPGKQGPSGASGERGPPGPM  
GPPGLAGPPGESGREGAPGAEGSPGRDGSPPGAKGDRGETGPAGPPGAPGAPGA  
PGPVGPAGKSGDRGETGPAGPAGVPVGPARGPAGPQGPRGDKGETGEQGDGRG  
IKGHRGFSLQPPGPPGSPGEGQGPSGASGPAGPRGPPGSAGAPGKDGLNGLPG  
PIGPPGPRGRTGDAGPVGPPGPPGPPGPPGPPSAGFDFSFLPQPPQEKAHDGGRY  
YRAHHHHHH

**Quality Control**

Endotoxin: Less than 0.5 EU/mg as determined by LAL test.

**Storage/Stability**

Store it at -20°C to -80°C for two years. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**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)