

## Recombinant Human PCDH1 Protein

Catalog #	Source	Reactivity	Applications
CRP2059	Human cells	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human PCDH1 Protein is produced by our mammalian expression system and the target gene encoding Thr58-Asn852 is expressed with a 6His tag at the C-terminus.

**Form** Lyophilized from a 0.2  $\mu$ M filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Gene Symbol** PCDH1

**Alternative Names** Protocadherin-1; Cadherin-like protein 1; Protocadherin-42; PC42

**Entrez Gene** 5097 (Human)

**SwissProt** Q08174 (Human)

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

**Chemical Structure** TRVVKVPEE QPPNTLIGSL AADYGFDPVG HLYKLEVGAP YLRVDGKTGD IFTTETSIDR  
 EGLRECQNQL PGDPCILEFE VSITDLVQNG SPRLLEGQIE VQDINDNTPN FASPVITLAI  
 PENTNIGSLF PIPLASDRDA GPNGVASYEL QAGPEAQELF GLQVAEDQEE KQPQLIVMGN  
 LDRERWDSYD LTIKVQDGGG PPRASSALLR VTVLDTNDNA PKFERPSYEA ELSENSPIGH  
 SVIQVKANDS DQGANAIEIY TFHQAPEVVR RLLRLDRNTG LITVQGPVDR EDLSTLRFVS  
 LAKDRGTNPK SARAQVVVTV KDMNDNAPTI EIRGIGLVTH QDGMANISED VAEETAVALV  
 QVSDRDEGEN AAVTCVVAGD VPFQLRQASE TGSDSKKKYF LQTTTPLDYE KVKDYTIEIV  
 AVDSGNPPLS STNSLKVQVV DVNDNAPVFT QSVTEVAFPE NNKPGEVIAE ITASDADSGS  
 NAELVYSLEP EPAAKGLFTI SPETGEIQVK TSLDREQRES YELKVVAADR GSPSLQGTAT  
 VLVNVLDCND NDPKFMLSGY NFSVMENMPA LSPVGMVTVI DGDKGENAQV  
 QLSVEQDNGD FVIQNGTGTI LSSLSFDREQ QSTYTFQLKA VGGVPPRSA YVGVTINVL  
 ENDNAPYITA PSNTSHKLLT PQTRLGETVS QVAAEDFDSG VNAELIYSIA GGNPYGLFQI

**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

GSHSGAITLE KEIERRHHGL HRLVVKVSDR GKPPRYGTAL VHLYVNETLA NRTLLETLLG  
HSLDTPLDID IAGDPEYERS KQRGNVDHHH HHH

## Quality Control

Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) 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  $\mu$ g/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)