

Product Data Sheet

Recombinant Human P4HB Protein

Catalog #	Source	Reactivity	Applications
CRP2049	E. coli	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human P4HB Protein is produced by E. coli expression system and the target gene encoding Asp18-Lys505 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of PBS, pH 7.4.		
Gene Symbol	P4HB		
Alternative Names	ERBA2L; PDI; PDIA1; PO4DB; Protein disulfide-isomerase; PDI; Cellular thyroid hormone-binding protein; Prolyl 4-hydroxylase subunit beta; p55		
Entrez Gene	5034 (Human)		
SwissProt	P07237 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	DAPEEEDHVL VLRKSNFAEA LAAHKYLLVE FYAPWCGHCK ALAPEYAKAA GKLKAEGSEI RLAKVDATEE SDLAQQYGVR GYPTIKFFRN GDTASPKEYT AGREADDIVN WLKKRTGPAA TTLPDGAAAE SLVESSEVAV IGFFKDVESD SAKQFLQAAE AIDDIPFGIT SNSDVFSKYQ LDKDGVVLFK KFDEGRNNFE GEVTKENLLD FIKHNQLPLV IEFTEQTAPK IFGGEIKTHI LLFLPKSVSD YDGKLSNFKT AAESFKGKIL FIFIDSDHTD NQRILEFFGL KKEECPAVRL ITLEEEMTKY KPESEELTAE RITEFCHRFL EGKIKPHLMS QELPEDWDKQ PVKVLVGKNF EDVAFDEKKN VFVEFYAPWC GHCKQLAPIW DKLGETYKDH ENIVIAKMDS TANEVEAVKV HSFPTLKFFP ASADRTVIDY NGERTLDGFK KFLESGGQDG AGDDDDLEDL EEAEPPDMEE DDDQKAVKVD HHHHHH		
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. Please aliquot		

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

the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

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

ORDER

order@cohesionbio.com

SUPPORT

techsupport@cohesionbio.com

CUSTOM

custom@cohesionbio.com