

Recombinant Human PGD Protein

Catalog #	Source	Reactivity	Applications
CRP2096	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human PGD Protein is produced by our mammalian expression system and the target gene encoding Met1-Ala483 is expressed with a 6His tag at the C-terminus.

Form Liquid in a 0.2 μ M filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Gene Symbol PGD

Alternative Names PGDH; 6-phosphogluconate dehydrogenase, decarboxylating

Entrez Gene 5226 (Human)

SwissProt P52209 (Human)

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

Chemical Structure MAQADIALIG LAVMGQNLIL NMNDHGFVVC AFNRTVSKVD DFLANEAKGT
 KVVGAQSLKE MVSKLKKPRR IILLVKAGQA VDDFIEKLVP LLDTGDIID GGNSEYRDTT
 RRCRDLKAKG ILFVGSGVSG GEEGARYGPS LMPGGNKEAW PHIKTIFQGI AAKVGTGEPG
 CDWVGDEGAG HFVKMVHNGI EYGDMQLICE AYHLMKDVLG MAQDEMAQAF
 EDWNKTELDS FLIEITANIL KFQDTDGKHL LPKIRDSAGQ KGTGKWTAS ALEYGVPVTL
 IGEAVFARCL SSLKDERIQA SKKLKGPQKF QFDGDKSFL EDIRKALYAS KIISYAQGF
 LLRQAATEFG WTLNYGGIAL MWRGGCIIRS VFLGKIKDAF DRNPELQNL LDDFFKSAVE
 NCQDSWRRRAV STGVQAGIPM PCFTTALSFY DGYRHEMLPA SLIQAQRDYF GAHTYELLA
 K PGQFIHTNWT GHGGTVSSSS YNAVDHHHHH H

Quality Control Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) 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.

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

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

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