

Recombinant Human PGM2 Protein

Catalog #	Source	Reactivity	Applications
CRP2791	E. coli	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human PGM2 Protein is produced by E.coli expression system and the target gene encoding Met1-Asp612 is expressed with a 6His tag at the N-terminus.

Form Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH7.5.

Gene Symbol PGM2

Alternative Names Phosphoglucomutase-2; PGM 2; Glucose phosphomutase 2; Phosphodeoxyribomutase; Phosphopentomutase

Entrez Gene 55276 (Human)

SwissProt Q96G03 (Human)

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

Chemical Structure MGSSHHHHH SGLVPRGSH MAAPEGSGLD EDARLDQETA QWLRWDKNSL
 TLEAVKRLIA EGNKEELRKC FGARMEFGTA GLRAAMGPGI SRMNDLTIQ TTQGFCRYLE
 KQFSDLKQKG IVISFDARAH PSSGGSSRRF ARLAATTFIS QGIPVYLFSD ITPTPFVPFT
 VSHLKLKAGI MITASHNPKQ DNGYKVYWDN GAQIISPHDK GISQAIENL EPWPQAWDDS
 LIDSSPLLHN PSASINNDYF EDLKKYCFHR SVNRETKVKF VHTSVHGVGH SFVQSAFKAF
 DLVPPEAVPE QKDPDPEFPT VKYPNPEEGK GVLTLFALA DKTKARIVLA NDPDADRLAV
 AEKQDSGEWR VFSGNELGAL LGWWLFTSWK EKNQDRSALK DTYMLSTVS SKILRAIALK
 EGFHFEETLT GFKWMGNRAK QLIDQGKTVL FAFEEAIGYM CCPVLDKDG VSAAVISAEEL
 ASFLATKNLS LSQQLKAIYV EYGYHITKAS YFICHQDQETI KKLFFENLRNY DGKNNYPKAC
 GKFEISAIRD LTTGYDDSQP DKKAVLPTSK SSQMITTFA NGGVATMRTS GTEPKIKIYYA
 ELCAPPGNSD PEQLKKELNE LVSAIEEHFF QPQKYNLQPK AD

Quality Control Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

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

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 ddH₂O. 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.

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