

Recombinant Human G6PD Protein

Catalog #	Source	Reactivity	Applications
CRP1587	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human G6PD Protein is produced by our mammalian expression system and the target gene encoding Ala2-Leu515 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	G6PD		
Alternative Names	Glucose-6-phosphate 1-dehydrogenase; G6PD		
Entrez Gene	2539 (Human)		
SwissProt	P11413 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>AEQVALSRTQ VCGILREELF QGDAFHQSDT HIFIIMGASG DLAKKKIYPT IWWLFRDGLL PENTFIVGYA RSRLTVADIR KQSEPFKAT PEEKLKLEDF FARNYSVAGQ YDDAASYQRL NSHMNALHLG SQANRLFYLA LPPTVYEAVT KNIHESCMSQ IGWNRIIVEK PFGRDLQSSD RLSNHISLRF REDQIYRIDH YLGKEMVQNL MVLRFANRIF GPIWNRDNIA CVILTFKEPF GTEGRGGYFD EFGIIRDVMQ NHLLQMLCLV AMEKPASTNS DDVRDEKVKV LKCISEVQAN NVVLGQYVGN PDGEGEATKG YLDDPTVPRG STTATFAAVV LYVENERWDG VPFILRCGKA LNERKAEVRL QFHDVAGDIF HQQCKRNELV IRVQPNEAVY TKMMTKKPGM FFNPEESEL LTYGNRYKNV KLPDAYERLI LDVFCGSQMH FVRSDELREA WRIFTPLLHQ IELEKPKPIP YIYGSRGPTA ADELTKRVGF QYEGTYKVVN PHKLVDHFFF HH</p>		
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. 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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