

**E.Coli recombinant protein G6PD**  
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**Catalog # PBV10603r****Specification**

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**E.Coli recombinant protein G6PD - Product info**

Primary Accession	<a href="#">P0AC53</a>
Concentration	1
Calculated MW	55.7 kDa (491 aa, 1-491 aa) KDa

**E.Coli recombinant protein G6PD - Additional Info**

Gene ID	12930160/946370.
Gene Symbol	G6PD

**Other Names**

Glucose-6-phosphate 1-dehydrogenase, Zwf.

Gene Source	E. Coli
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	8-10 units/ml
Sequence	MAVTQTAQAC DLVIFGAKGD LARRKLLPSL YQLEKAGQLN PDTRIIGVGR ADWDKAAYTK VVREALETFM KETIDEGLWD TLSARLDFCN LDVNDTAAFS RLGAMLDQKN RITINYFAMP PSTFGAICKG LGEAKLNAKP ARVVMKPLG TSLATSQEIN DQVGEYFEEC QVYRIDHYLG KETVLNLLAL RFANSLFVNN WDNRTIDHVE ITVAEEVGIE GRWGYFDKAG QMRDMIQNH LQILCMIAMS PPSDLSADSI RDEKVKVLKS LRRIDRSNVR EKTVRGQYTA GFAQGKKVPG YLEEEGANKS SNTETFVAIR VDIDNWRWAG VPFYLRTGKR LPTKCSEVVV YFKTPELNLF KESWQDLPQN KLTIRLQPDE GVDIQVLNKV PGLDHKHNLQ ITKLDLSYSE TFNQTHLADA YERLLLETMR GIQALFVRRD EVEEAWKWVD SITEAWAMDN DAPKPYQAGT WGPVASVAMI TRDGRSWNEF E

**Format**

Liquid

**Storage**

-80°C; 1 mg/ml solution in 50 mM MES pH 6.0, 0.1 mM PMSF, 2 mM EDTA, 0.5 mM DTT and 10% glycerol.

**E.Coli recombinant protein G6PD - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **E.Coli recombinant protein G6PD - Images**

#### **E.Coli recombinant protein G6PD - Background**

Glucose-6-phosphate dehydrogenase is the rate-limiting enzyme of the pentose phosphate pathway, a metabolic pathway that supplies reducing energy to cells by maintaining the level of NADPH. G6PD converts glucose-6-phosphate into 6-phosphoglucono-delta-lactone and simultaneously produce NADPH. The NADPH in turn maintains the level of glutathione in these cells that helps protect the red blood cells against oxidative damage. G6PD deficiency cause acute hemolytic anemia.

#### **E.Coli recombinant protein G6PD - References**

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