

E.Coli recombinant protein G6PD
E.Coli Recombinant G6PD
Catalog # PBV10603r

Specification

E.Coli recombinant protein G6PD - Product info

Primary Accession	P0AC53
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 KETIDEGPWD TLSARLDPCN 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 KLTIRLQPD GVDIQVLNKV PGLDHKHNLQ ITKLDLSYSE TFNQTHLADA YERLLLETMR GIQALFVRRD EEEAWKWVD 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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