

E.Coli G6PD Recombinant Protein



RPPB1661

Product Information Protein Information

Product SKU:

RPPB1661

Accession:

P11413

Host:

Escherichia Coli.

Protein description:

G6PD E.Coli Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 491 amino acids and having a molecular mass of 55.7kDa. The G6PD is purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

G6PD, G6PD1, Glucose-6-phosphate 1-dehydrogenase.

Formulation:

The G6PD protein contains 50mM MES 6.0, 0.1mM PMSF, 2mM EDTA, 0.5mM DTT and 10% glycerol.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MAVTQTAQAC DLVIFGAKGD LARRKLLPSL YQLEKAGQLN PDTRIIGVGR ADWDKAAATK VVREALETFM
KETIDGLWD TLSARLDFCN LDVNDTAAFS RLGAMLDQKN RITINYFAMP PSTFGAICKG LGEAKLNAKP
ARVVMKPLG TSLATSQEIN DQVGEYFEEC QVYRIDHYLG KETVLNLLAL RFANSLFVNN WDNRTIDHVE
ITVAEEVGIE GRWGYFDKAG QMRDMIQNLH LQILCMIAMS PPSDLSADSI RDEKVKVLKS LRRIDRSNVR
EKTVRGQYTA GFAQGKKVPG YLEEEGANKS SNTETFVAIR VDIDNWRWAG VPFYLRGKR LPTKCSEVVV
YFKTPELNLF KESWQDLPQN KLTIRLQPDE GVDIQVLNKV PGLDHKHNLQ ITKLDLSYSE TFNQTHLADA
YERLLLETMR GIQALFVRRD EVEEAWKWVDSITEAWAMDN DAPKPYQAGT WGPVASVAMI TRDGRSWNEF E.

Biological Activity:

Specific activity > 70 units/mg obtained by measuring the increase of beta-NADPH in absorbance at 340 nm resulting from the reduction beta- NADP. One unit oxidizes 1.0 umole D-glucose-6-phosphate to 6-phospho-D-gluconate per min in the presence of beta-NADP at pH 7.4 at 25C.