

G6PD protein (active)

Cat. No. GTX66884-pro

Applications	Functional Assay
Species	E. coli

Package
100 µg

Applications

Application Note

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

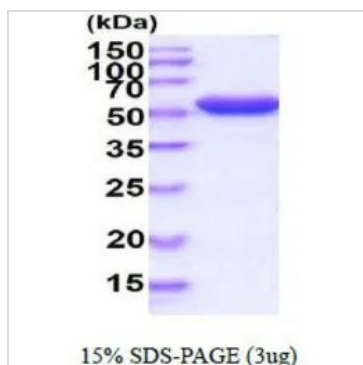
Properties

Form	Liquid
Buffer	50mM MES buffer, 10% Glycerol, 0.1mM PMSF, 2mM EDTA, 0.5mM DTT
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Region/Sequence	Full length protein, Length: 491 a.a. Sequence: MAVTQTAQAC DLVIFGAKGD LARRKLLPSL YQLEKAGQLN PDTRIIGVGR ADWDKAAYTK VVREALTFM KETIDEGPWD TLSARLDFCN LDVNDTAAFS RLGAMLDQKN RITINYFAMP PSTFGAICKG LGEAKLNAKP ARVMEKPLG TSLATSQEIN DQVGEYFEEC QVYRIDHYLG KETVLNLLAL RFANSLFVNN WDNRTIDHVE ITVAEEVGIE GRWGYFDKAG QMRDMIQNHL LQILCMIAIS PPSDLSADSI RDEKVKVLKS LRRIDRSNVR EKTVRGQYTA GFAQGKKVPG YLEEEGANKS SNTETFVAIR VDIDNWRWAG VPFLRTGKR LPTKCSEVVV YFKTPELNLF KESWQDLPQN KLTIRLPDE GVDIQVLNKV PGLDHKHNQ ITKLDLSYE TFNQTHLADA YERLLLETMR GIQALFVRRD EVVEAWKWVD SITEAWAMDN DAPKPYQAGT WGPVASVAMI TRDGRSWNEF E
Expression System	E. coli
Purity	> 95% by SDS-PAGE.
Conjugation	Unconjugated
Note	For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.



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DATA IMAGES



GTX66884-pro Image

3 μ g of GTX66884-pro G6PD protein (active) by SDS-PAGE under reducing condition and visualized by coomassie blue stain



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