

Human G6PD protein, His tag (active)

Cat. No. GTX66999-pro

Applications Functional Assay

Species Human

References (2)

Package

100 µg

Applications

Application Note

Specific activity is > 45 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 20mM Tris-HCl, 200mM NaCl, 20% Glycerol, 0.1mM PMSF, 2mM EDTA, 2mM 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 0.5 mg/ml (Please refer to the vial label for the specific concentration.)

Region/Sequence

Full length protein, N-terminal His-Tag; Length: 535 a.a. Sequence: MGSSHHHHHH SSGLVPRGSH MAEQVALSRT QVCGILREEL FQGDAFHQSD THIFIIMGAS GDLAKKKIYP TIWWLFRDGL LPENTFIVGY ARSRLTVADI RKQSEPPFKA TPEEKLKLED FFARNSYVAG QYDDAASYQR LNSHMNALHL GSQANRLFYL ALPPTVYEAV TKNIHESCMS QIGWNRIVE KPFGRDLQSS DRLSNHISSL FREDQIYRID HYLKEMVQN LMLVRFANRI FGPIWNRDNI ACVILTFKEP FGTEGRGGYF DEFGIIRDVM QNHLLQMLCL VAMEKPASTN SDDVRDEKVK VLKCISEVQA NNWVLGQYVG NPDGEGEATK GYLDDPTVPR GSTTATFAAV VLYVENERWD GVPFILRCGK ALNERKAEVR LQFHDVAGDI FHQCKRNL VIRVQPNEAV YTKMMTKKPG MFFNPEESEL DLTGYNRYKN VKLPDAYERL ILDFVCGSQM HFVRSDELRE AWRIFTPLLH QIELEKPKPI PYIYGSRGPT EADELMKRVG FQYEGTYKWV NPHKL

Expression System Baculovirus

Purity > 95% by SDS-PAGE.

Endotoxin < 1.0 EU/µg (determined by LAL method)

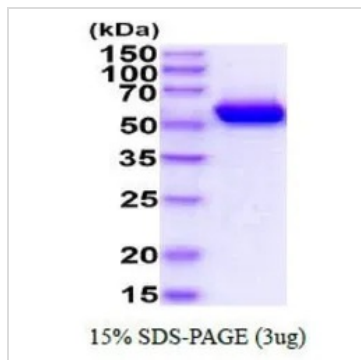
Conjugation Unconjugated

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



GTX66999-pro Image

3 μ g of GTX66999-pro Human G6PD protein (active) by SDS-PAGE under reducing condition and visualized by coomassie blue stain



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