

Recombinant Glucose-6-phosphate Dehydrogenase (G6PD) Instruction Manual

SIPA454Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	60.5kDa
Accurate Molecular Mass	60kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Leu515 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	6.5
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

MAEQVALSRT QVCGILREEL FQGDAFHQSD THIFIIMGAS GDLAKKKIYP TIWWLFRDGL
LPENTFIVGY ARSRLTVADI RKQSEPPFFKA TPEEKLKLED FFARNSYVAG QYDDAASYQR
LNSHMNALHL GSQANRLFYL ALPPTVYEAV TKNIHESCMS QIGWNRIIVE KPFGRDLQSS
DRLSNHISSL FREDQIYRID HYLKEMVQN LMVLRFANRI FGPIWNRDNI ACVILTFKEP
FGTEGRGGYF DEFGIIRDVM QNHLLQMLCL VAMEKPASTN SDDVRDEKVK VLKCISEVQA
NNVVLGQYVG NPDGEGEATK GYLDDPTVPR GSTTATFAAV VLYVENERWD GVPFILRCGK
ALNERKAEVR LQFHVDVAGDI FHQQCKRNEL VIRVQPNEAV YTKMMTKKPG MFFNPEESEL
DLTYGNRYKN VKLPDAYERL ILDVFCGSQM HFVRSDELRE AWRIFTPLH QIELEKPKPI
PYYGSRGPT EADELMKRVG FQYEGTYKWV NPHKL

USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

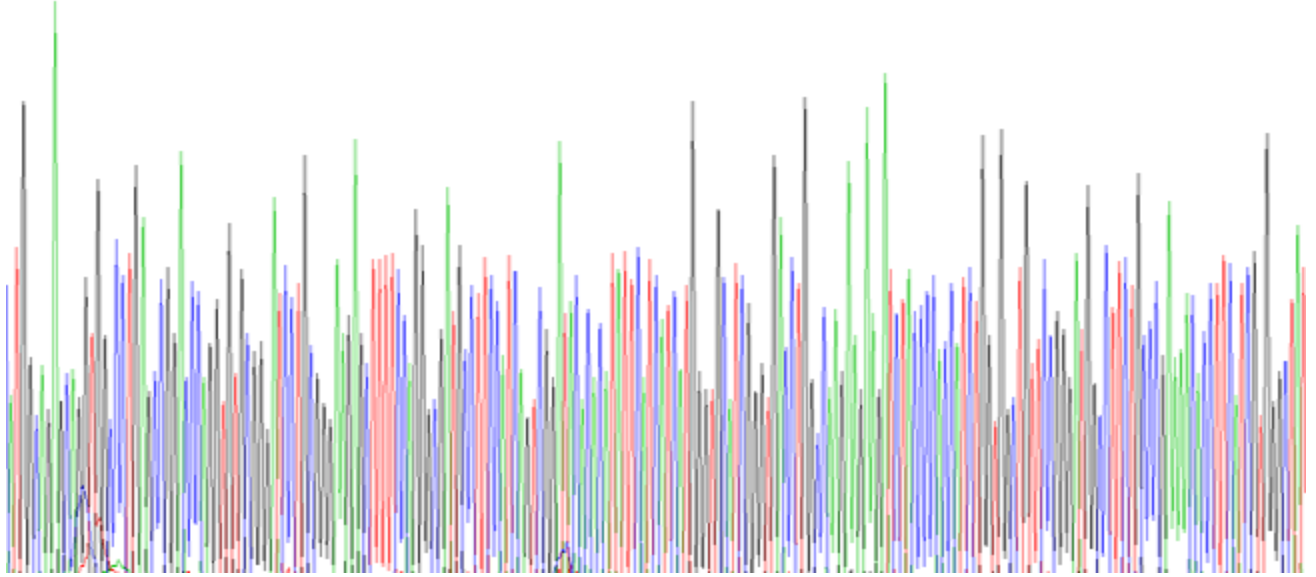
Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image

ATGCGAGGCGGCGCCGAGCCTGGACCTGGACCGGCTGCGCGGATCTGCGCGAGGACCTTTCTGGCGGAGTCCCTTCATCGTGGGAGACACATTTCTCATATGCGTGAATGGGCGACCTGCGCGAGGAGATCTAGCCGACCTCTGGTGGCTGTCTGGCGTGGCCCTTCTGCGCGAGGACCTTCATCGTGGGCTAT
M A E Q V A L S R T Q V C G I L R E E L F Q G D A F H Q S D T H I F I I N G A S G D L A K K K I Y P T I V V L F R D G L L P E N T F I V G Y



SDS-PAGE Image

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.