

Human Glyoxalase I protein, His tag (active)

Cat. No. GTX67014-pro

Applications Functional Assay

Species Human

Package

20 µg

Applications

Application Note

Specific activity: > 400 units/mg. One unit will form 1.0 µmol of S-lactoylgutathione from methylglyoxal and reduced glutathione per minute at pH 6.5 at 25°C.

Properties

Form Liquid

Buffer 20mM Tris-HCl, 10% Glycerol, 1mM 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, C-terminal His-Tag; Length: 184 a.a. Sequence: ARPCIPKSFG YSSVVCVNA TYCDSFDPPT FPALGTFSTRY
ESTRSGRRME LSMGPIQANH TGTGLLLTLQ PEQKFQKVKG FGGAMTDAAL LNILALSPPA QNLLKSYFS EEGIGYNIIR
VPMASCDFSI RTYTYADTPD DFQLHNFSLP EEDTKLKIPL IHRALQLAQR PVSLASPWT SPTWLKTNGA VNGKGSCLKGQ
PGDIYHQTWA RYFVKFLDAY AEHLKQFVAV TAENEPSAGL LSGYPFQCLG FTPEHQDFI ARDLGPTLAN STHHNVRLLM
LDDQRLLPH WAKVLTDP EAAKYVHGIAV HWYLDLAPA KATLGETHRL FPNTMLFASE ACVGSKFWEQ SVRLGSWDRG
MQYSHSIITN LLYHVVGWTD WNLALNPEGG PNWVRNFVDS PIIVDITKDT FYKQPMFYHL GHFSKFIPEG SQRVGLVASQ
KNDLDAVALM HPDGSAAVVV LNRSSKDVPL TIKDPAVGFL ETISPGYSIH TYLWRRQHHH HHH

Expression System E. coli

Purity > 90% by SDS-PAGE.

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

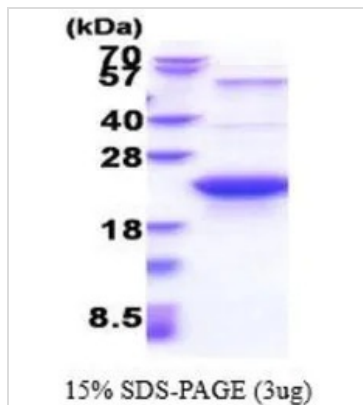
Conjugation Unconjugated

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



GTX67014-pro Image

3 µg of GTX67014-pro Human Glyoxalase I protein (active) by SDS-PAGE under reducing condition and visualized by coomassie blue stain



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