

Human Glutamine synthetase protein, His tag (active)

Cat. No. GTX67012-pro

Applications Functional Assay

Species Human

Package

20 µg

Applications

Application Note

Specific activity is > 2800 pmol/min/µg, and is defined as the amount of enzyme that convert 1.0 pmole of L-glutamate to L-glutamine per minute at pH 7.5 at 37°C in coupled system with PK/LDH.

Properties

Form Liquid

Buffer 20mM Tris-HCl, 200mM NaCl, 20% Glycerol, 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, N-terminal His-Tag; Length: 393 a.a. Sequence: MGSSHHHHHH SSGLVPRGSH MTTSASSHLN KGIKQVYMSL PQGEKVQAMY IWIDGTGEGE RCKTRTLDSE PKCVELPEW NFDGSSTLQS EGSNSDMYLV PAAMFRDPFR KDPNKLVLCE VFKNRRPAE TNLRHCTCKRI MDMVSNQHPW FGMEQEYTLN GTDGHFPGWP SNGFPGPQGP YYCGVGADRA YGRDIVEAHY RACLYAGVKI AGTNAEVMQA QWEFQIGPCE GISMGDHLWV ARFILHRVCE DFGVIATFDP KPIPGNWNGA GCHTNFSTKA MREENGLKYI EEAIEKLSKR HQYHIRAYDP KGGLDNARRL TGFHETSNIN DFSAGVANRS ASIRIPRTVG QEKKGYFEDR RPSANCDPFS VTEALIRTCL LNETGDEPFQ YKN

Expression System E. coli

Purity > 90% by SDS-PAGE.

Conjugation Unconjugated

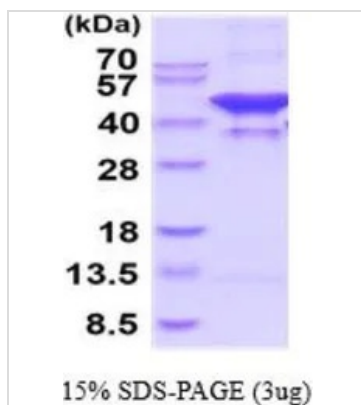
Note For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.



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DATA IMAGES



GTX67012-pro Image

3 μ g of GTX67012-pro Human Glutamine synthetase protein (active) by SDS-PAGE under reducing condition and visualized by coomassie blue stain



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