



P93761Mu01
Glutamine synthetase (GS)
Organism: Mus musculus (Mouse)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

4th Edition (Revised in August, 2012)

[DESCRIPTION]

Protein Names: Glutamine synthetase

Synonyms: GS, Glns

Species: Mouse

Size: 100µg

Source: *Escherichia coli*-derived

Subcellular Location: Cytoplasm. Mitochondrion.

[PROPERTIES]

Residues: Met1~Asn373 (Accession # P15105), with N-terminal His-Tag.

Grade & Purity: >95%, 44 kDa as determined by SDS-PAGE reducing conditions.

Formulation: Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.

Endotoxin Level: <1.0 EU per 1µg (determined by the LAL method).

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

Predicted Molecular Mass: 44.3 kDa

Predicted isoelectric point: 6.8

[PREPARATION]

Reconstitute in sterile PBS, pH7.2-pH7.4.



[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The target protein is fused with N-terminal His-tag, its sequence is listed below.

MGHHHHHSGSEFELRRQ-MATSASSHLN KGIKQMYMSL PQGEKVQAMY IWVDGTGEGE RCKTRTLDCE PKCVEELPEW
NFDGSSTFQS EGSNSDMYLH PVAMFRDPFR KDPNKLVLCE VFYKYNRPKPAE TNLRHICKRI MDMVSNQHPW FGMEQEYTLM
GTDGHPFGWP SNGFPGPQGP YYCGVGADKA YGRDIVEAHY RACLYAGVKI TGTNAEVMPA QWEFQIGPCE GIRMGDHLWI
ARFILHRVCE DFGVIATFDP KPIPGNWNGA GCHTNFSTKA MREENGLKCI EEAIDKLSKR HQYHIRAYDP KGGLDNARRL
TGFHETSNIN DFSAGVANRG ASIRIPRTVG QEKKG YFEDR RPSANCDPYA VTEAIVRTCL LNETGDEPFQ YKN

