

Recombinant Glutamine synthetase (GS) Instruction Manual

SIPD387Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Mitochondrion, Cytoplasm
Predicted Molecular Mass	44.3kDa
Accurate Molecular Mass	44kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Asn373 (Accession # P15105) with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	6.8
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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MATSASSHLN KGIKQMYMSL PQGEKVQAMY IWVDGTGEGE RCKTRTLDC  
PKCVEELPEW NFDGSSTFQS EGSNSDMYLH PVAMFRDPFR KDPNKLVLCE  
VFKYNRKPAE TNLRHICKRI MDMVSNQHPW FGMEQEYTLG GTDGHPFGWP  
SNGFPGPQGP YYCGVGADKA YGRDIVEAHY RACLYAGVKI TGTNAEVMPA  
QWEFQIGPCE GIRMGDHLWI ARFILHRVCE DFGVIATFDP KPIPGNWNGA  
GCHTNFSTKA MREENGLKCI EEAIDKLSKR HQYHIRAYDP KGGLDNARRL  
TGFHETSNIN DFSAGVANRG ASIRIPRTVG QEKKGYFEDR RPSANCDPYA  
VTEAIVRTCL LNETGDEPFQ YKN
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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

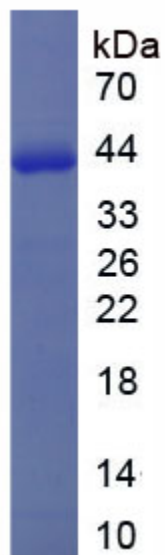


Figure. SDS-PAGE

[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.