

General Glutamine Synthetase Assay Kit | GLUL assay kit

Glutamine Synthetase Microplate Assay Kit

CATALOG # AAA27817	REACTIVITY General	APPLICATIONS Functional Assay
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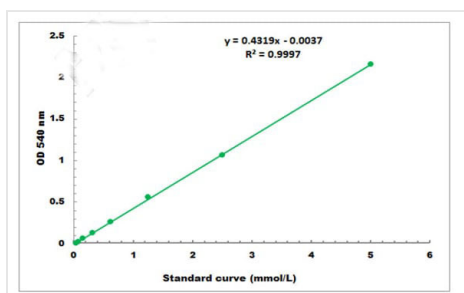
PRODUCT SYNONYMS

Glutamine Synthetase; Glutamine Synthetase Microplate Assay Kit; EC 6.3.1.2; Glutamate-ammonia ligase; Glutamine synthetase; GS; GLUL assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	373
Samples	Tissue extracts, Cell lysate Samples
Detection Range	0.05 mmol/L - 5 mmol/L
Applicable Applications for GLUL assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLUL assay kit	Background: Glutamine Synthetase (GS) is mainly present in plants, is one of the key enzyme in vivo assimilation of ammonia. GS can catalyze ammonium ions and glutamic acid to synthesise glutamine Gln, not only can prevent excessive biological toxic ammonium ions, but also glutamine Gln is the main storage and transport in the form of ammonia. In the presence of ATP and Mg^{2+} , GS can catalyze ammonium ions and glutamic acid to synthesise glutamine Gln; glutamine Gln further converted to gamma-glutamyl hydroxamic acid, under acidic conditions to form a red iron complexes; the complex has a maximum absorption peak at 540nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74271837
NCBI GeneID	2752
NCBI Accession #	NP_001028216.1
NCBI GenBank Nucleotide #	NM_001033044.3

Molecular Weight	42,064 Da
NCBI Official Full Name	glutamine synthetase
NCBI Official Synonym Full Names	glutamate-ammonia ligase
NCBI Official Symbol	GLUL
NCBI Official Synonym Symbols	GS; GLNS; PIG43; PIG59
NCBI Protein Information	glutamine synthetase
UniProt Protein Name	Glutamine synthetase
UniProt Gene Name	GLUL
UniProt Synonym Gene Names	GLNS; GS
UniProt Entry Name	GLNA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/general-assay-kits/glutamine-synthetase/27817>