Glutamine Synthetase (GLUL) Macaca Fascicularis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutamine synthetase (GLUL), Recombinant Protein
Full Product Name	Recombinant Macaca fascicularis Glutamine synthetase (GLUL)
Product Gene Name	GLUL recombinant protein
Product Synonym Gene Name	GLUL
Sequence	TTSASSHLNK GIKQVYMSLP QGEKVQAMYI WIDGTGEGLR CKTRTLDSEP KCVEELPEWN FDGSSTLQSE GSNSDMYLVP AAMFRDPFRK DPNKLVLCES FQVQFEGPAE TNLRHTCKRI MDMVSNQHPW FGMEQEYTLM GTDGHPFGWP SNGFPGPQGP YYCGVGADRA YGRDIVEAHY RACLYAGVKI AGTNAEVMPA QWEFQIGPCE GISMGDHLWV ARFILHRVCE DFGVIATFDP KPIPGNWNGA GCHTNFSTKA MREENGLKYI EEAIEKLSKR HQYHIRAYDP KGGLDNARRL TGFHETSNIN DFSAGVANRS ASIRIPRTVG QEKKGYFEDR RPSANCDPFS VTEALIRTCL LNETGDEPFQ YKN
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	42,023 Da
Sequence Positions	2-374, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q4R7U3
Species	Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GLUL recombinant protein	MBS1328022 is a recombinant protein targeting GLUL. Also known as Recombinant Macaca fascicularis Glutamine synthetase (GLUL). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of GLUL recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GLUL. It may not necessarily be applicable to this product.

NCBI GI #	545688129
NCBI GeneID	101926704
NCBI Accession #	NP_001270340.1
UniProt Primary Accession #	Q4R7U3

UniProt Related Accession #	Q4R7U3
GenBank Nucleotide #	NM_001283411.1
NCBI Official Full Name	glutamine synthetase
NCBI Official Symbol	GLUL
NCBI Official Synonym Symbols	GS
UniProt Protein Name	Glutamine synthetase
UniProt Synonym Protein Names	Glutamate decarboxylase (EC:4.1.1.15); Glutamate--ammonia ligase
UniProt Gene Name	GLUL
UniProt Synonym Gene Names	GS
NCBI Protein Information	glutamine synthetase
UniProt Comments for GLUL	Essential for proliferation of fetal skin fibroblasts. This enzyme has 2 functions: it catalyzes the production of glutamine and 4-aminobutanoate (gamma-aminobutyric acid, GABA), the latter in a pyridoxal phosphate-independent manner ().
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