



Recombinant Escherichia coli Glutamine--tRNA ligase (glnS)

Product Code	CSB-EP538114ENP
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	B1IY48
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain ATCC 8739 / DSM 1576 / Crooks)
Purity	≥85% (SDS-PAGE)
Sequence	MSEAEARPTN FIRQIIDEDL ASGKHTTVHT RFPPEPNGYL HIGHAKSICL NFGIAQDYKG QCNLRFD DDTN PVKEDIEYVE SIKNDVEWLG FHWSGNVRY S SDYFDQLHAY AIELINKGLA YVDELTP EQI REYRGTLTQP GKNSPYRDRS VEENLALFEK MRAGGFEEGK ACLRAKIDMA SPFIVMRDPV LYRIKFAEHH QTGNKWC IYP MYDFTHCISD ALEGITHSLC TLEFQDNRRLL YDWVLDNITI PVHPRQYEF S RLNLEYTVMS KRKLNLLVTD KHVEGWDDPR MPTISGLRRR GYTAASIREF CKRIGVTKQD NTIEMASLES CIREDLNENA PRAMAVIDPV KLVIENYQGE GEMVTMPNHP NKPEMGSRQV PFSGEIWIDR ADFREEANKQ YKRLVLGKEV RLRNAYVIKA ERVEKDAEGN ITTIFCTYDA DTL SKDPADG RKVKGV IHWV SAAHALPVEI RLYDRLFSVP NPGAADDFLS VINPESLVIK QGFAEPSLKD AVAGKAFQFE REGYFCLDSR HSTAEKPVFN RTVGLRDTWA KVGE
Source	E.coli
Target Names	glnS
Protein Names	Recommended name: Glutamine--tRNA ligase EC= 6.1.1.18 Alternative name(s): Glutaminyl-tRNA synthetase Short name= GlnRS
Expression Region	1-554
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



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