



Recombinant Human Aspartate--tRNA ligase, cytoplasmic (DARS)

Product Code	CSB-EP006505HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P14868
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MPSASASRKS QEKPREIMDA AEDYAKERYG ISSMIQSQEK PDRVLVVRVD LTIQKADEVV WVRARVHTSR AKGKQCFLVL RQQQFNVAL VAVGDHASKQ MVKFAANINK ESIVDVEGVV RKNVQKIGSC TQQDVELHVQ KIYVISLAEP RLPLQLDDAV RPEAEGEEEG RATVNQDTRL DNRVIDLRTS TSQAVFRLQS GICHLFRETLL INKGFVEIQT PKIISAASEG GANVFTVSYP KNNAYLAQSP QLYKQMCICA DFEKVFSIGP VFRAEDSNTH RHLTEFVGLD IEMAFNYHYH EVMEEIADTM VQIFKGLQER FQTEIQTVNK QFPCEPFKFL EPTLRLEYCE ALAMLREAGV EMGDEDDLST PNEKLLGHLV KEKYDTDFYI LDKYPLAVRP FYTMPDPRNP KQSNSYDMFM RGEEILSGAQ RIHDPQLLTE RALHHGIDLE KIKAYIDSFR FGAPPHAGGG IGLERVTMLF LGLHNVRQTS MFPRDPKRLT P
Source	E.coli
Target Names	DARS
Protein Names	Recommended name: Aspartate--tRNA ligase, cytoplasmic EC= 6.1.1.12 Alternative name(s): Aspartyl-tRNA synthetase Short name= AspRS Cell proliferation-inducing gene 40 protein
Expression Region	1-501
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
Target Details	Aspartyl-tRNA synthetase (DARS) is part of a multienzyme complex of aminoacyl-tRNA synthetases. Aspartyl-tRNA synthetase charges its cognate tRNA with aspartate during protein biosynthesis.
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. 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.