

Recombinant Human DARS, His-tagged

Cat. No. DARS-3672H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Aspartate--tRNA ligase, cytoplasmic (DARS)
Species	Human
Source	E.Coli/Yeast
ProteinLength	501
Description	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.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of DARS recombinant protein 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.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name [DARS aspartyl-tRNA synthetase \[Homo sapiens \]](#)

Official Symbol DARS

Synonyms

DARS; aspartyl-tRNA synthetase; aspartate--tRNA ligase, cytoplasmic; aspartate tRNA ligase 1; cytoplasmic; aspRS; aspartate tRNA ligase 1, cytoplasmic; aspartyl-tRNA synthetase, cytoplasmic; cell proliferation-inducing protein 40; cell proliferation-inducing gene 40 protein; MGC111579; DKFZp781B11202;

Gene ID [1615](#)

mRNA Refseq [NM_001349](#)

Protein Refseq [NP_001340](#)

MIM [603084](#)

UniProt ID [P14868](#)

Chromosome Location 2q21.3

Pathway

Alanine and aspartate metabolism, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, conserved biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, organism-specific biosystem; Aminoacyl-tRNA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Function

ATP binding; aminoacylase activity; aspartate-tRNA ligase activity; ligase activity; nucleic acid binding; nucleotide binding; protein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA