Recombinant Human DARS, GST-tagged

Cat. No. DARS-11831H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DARS protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	155-501a.a.
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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	DARS aspartyl-tRNA synthetase [Homo sapiens]
Official Symbol	DARS

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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 biosynthesis, eukaryotes, conserved biosystem; Cytosolic tRNA aminoacylation, organism-specific biosystem; Gene Expression, organism-specific biosystem;
Function	ATP binding; aminoacylase activity; aspartate-tRNA ligase activity; ligase activity; nucleic acid binding; nucleotide binding; protein binding;

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