

Product datasheet for TP300391L

DARS1 (NM_001349) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human aspartyl-tRNA synthetase (DARS), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200391 representing NM_001349 Red=Cloning site Green=Tags(s)

MPSASASRKSQEKPREIMDAAEDYAKERYGISSMIQSQEKPDRVLRVVRDLTIQKADEVVWVRARVHTSR
AKGKQCFLVLRQQQFNVQALVAVGDHASKQMVKFAANINKESIVDVEGVWRKVNQKIGSCTQQDVELHVQ
KIYVISLAEPRPLQLDDAVRPEAEGEEGRATVNQDTRLNDRVIDLRTSTSQAVFRLQSGICHLFRETL
INKGFVEIQTPKIISAASEGGANVFTVSYFKNNAYLAQSPQLYKQMCICADFEKVFISIGPVFRAEDSNTH
RHLTEFVGLDIEMAFNYHYHEVMEEIADTMVQIFKGLQERFQTEIQTVNKKQFPCEPFKLEPTLRLEYCE
ALAMLREAGVEMGDEDDLSTPNEKLLGHLVKEKYDADFYILDKYPLAVRPFYTMPDPRNPKQSNYSYDMFM
RGEEILSGAQRIHDPQLLTERALHHGIDLEKIKAYIDSFREFGAPPHAGGGIGLERVTMLFLGLHNVRQTS
MFPRDPKRLTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	57 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_001340](#)

Locus ID: 1615

UniProt ID: [P14868](#), [A0A140VJW5](#)

RefSeq Size: 2322

Cytogenetics: 2q21.3

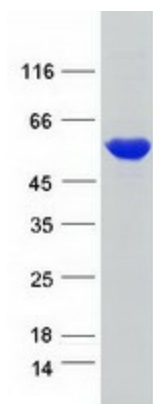
RefSeq ORF: 1503

Synonyms: aspRS; DARS; HBSL

Summary: This gene encodes a member of a multienzyme complex that functions in mediating the attachment of amino acids to their cognate tRNAs. The encoded protein ligates L-aspartate to tRNA(Asp). Mutations in this gene have been found in patients showing hypomyelination with brainstem and spinal cord involvement and leg spasticity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]

Protein Pathways: Aminoacyl-tRNA biosynthesis

Product images:



Coomassie blue staining of purified DARS protein (Cat# [TP300391]). The protein was produced from HEK293T cells transfected with DARS cDNA clone (Cat# [RC200391]) using MegaTran 2.0 (Cat# [TT210002]).