

## Product datasheet for PH300391

### DARS1 (NM\_001349) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DARS MS Standard C13 and N15-labeled recombinant protein (NP_001340)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200391
Predicted MW:	57 kDa
Protein Sequence:	>RC200391 representing NM_001349 Red=Cloning site Green=Tags(s)  MPSASASRKSQEKPREIMDAAEDYAKERYGISSMIQSQEKPDRVLRVRLDTIQKADEVVWRARVHTSR AKGKQCFVLVLRQQFNQALVAVGDHASKQMVKFAANINKESIVDVEGVVRKVNQKIGSCTQQDVELHVQ KIYVISLAEPRLPLQLDDAVRPEAEGEEGRATVNQDTRLNDRVIDLRTSTSQAVFRLQSGICHLFRETL INKGFVEIQTPKII SAASEGGANVFTVSYFKNNAYLAQSPQLYKQMCICADFEKVF SIGPVFRAEDSNTH RHLTEFVGLDIEMAFNYHYHEVMEEIADTMVQIFKGLQERFQTEIQTVNKQFPCEPFKLEPTLRLEYCE ALAMLREAGVEMGDEDDLSTPNEKLLGHLVKEKYDIDFYILDKYPLAVRPFYTMPDPRNPKQNSYDMFM RGEEILSGAQRIDHPQLLTERALHHGIDLEKIKAYIDFRFGAPPHAGGGIGLERVTMLFLGLHNVRQTS MFPRDPKRLTP  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001340</a>
RefSeq Size:	2322
RefSeq ORF:	1503



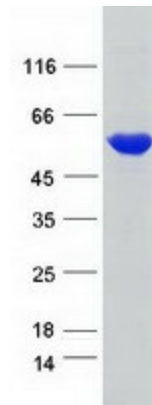
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**Synonyms:** aspRS; DARS; HBSL  
**Locus ID:** 1615  
**UniProt ID:** [P14868](#), [A0A140VJW5](#)  
**Cytogenetics:** 2q21.3

**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]).