

Product datasheet for **AR50279PU-S**

DARS1 (1-501, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	DARS1 (1-501, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MPSASASRKS QEKPREIMDA AEDYAKERYG ISSMIQSQEK PDRVLVVRVD LTIQKADEVV WVRARVHTSR AKGKQCFLVL RQQQFNVQAL VAVGDHASKQ MVKFAANINK ESIVDVEGVV RKNVQKIGSC TQQDVELHVQ KIYVISLAEP RLPLQLDDAV RPEAEGEEEG RATVNQDTRL DNRVIDLRTS TSQAVFRLQS GICHLFRETLL INKGFVEIQT PKIISAASEG GANVFTVSYF KNNAYLAQSP QLYKQMCICA DFEKVFSIGP VFRAEDSNTH RHLTEFVGLD IEMAFNYHYH EVMEEIADTM VQIFKGLQER FQTEIQTVNK QFPCEPFKFL EPTLRLEYCE ALAMLREAGV EMGDEDDLST PNEKLLGHLV KEKYDTDFYI LDKYPLAVRP FYTMPDPRNP KQNSYDMFM RGEEILSGAQ RIHDPQLLTE RALHHGIDLE KIKAYIDFR FGAPPHAGGG IGLERVTMLF LGLHNVRQTS MFPRDPKRLT P
Tag:	His-tag
Predicted MW:	59.3 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.15M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human DARS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001280241
Locus ID:	1615



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UniProt ID: [P14868](#)

Cytogenetics: 2q21.3

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:

