

Datasheet for ABIN7544070

## DARS Protein (AA 1-501) (His tag)



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### Overview

Quantity:	1 mg
Target:	DARS
Protein Characteristics:	AA 1-501
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DARS protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant DARS1 Protein expressed in mammalian cells.
Sequence:	<p>MPSASASRKS QEKPREIMDA AEDYAKERYG ISSMIQSQEK PDRVLRVRD LTIQKADEVV  WVRARVHTSR AKGKQCFLVL RQQQFNVQAL VAVGDHASKQ MVKFAANINK ESIVDVEGVV  RKVNQKIGSC TQQDVELHVQ KIYVISLAEP RLPLQLDDAV RPEAEGEEEG RATVNQDTRL  DNRVIDLRTS TSQAVFRLQS GICHLFRETL INKGFVEIQT PKIISAASEG GANVFTVSYF  KNNAYLAQSP QLYKQMCICA DFEKVFSIGP VFRAEDSNTH RHLTEFVGLD IEMAFNYHYH  EVMEEIADTM VQIFKGLQER FQTEIQTVNK QFPCEPFKFL EPTLRLEYCE ALAMLREAGV  EMGDEDDLST PNEKLLGHLV KEKYDTDFYI LDKYPLAVRP FYTMPDPRNP KQSNSYDMFM  RGEEILSGAQ RIHDPQLLTE RALHHGIDLE KIKAYIDFSR FGAPPHAGGG IGLERVTMLF  LGLHNVRQTS MFPRDPKRLT P</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

### Target:

DARS

### Alternative Name:

DARS1 ([DARS Products](#))

### Background:

Aspartate--tRNA ligase, cytoplasmic (EC 6.1.1.12) (Aspartyl-tRNA synthetase) (AspRS) (Cell proliferation-inducing gene 40 protein),FUNCTION: Catalyzes the specific attachment of an amino acid to its cognate tRNA in a 2 step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA.  
{ECO:0000250|UniProtKB:P15178}.

### Molecular Weight:

57.1 kDa

### UniProt:

[P14868](#)

## Application Details

### Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months