

Recombinant Human DARS Protein, GST-tagged

Cat. No. DARS-2348H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DARS full-length ORF (AAH00629, 1 a.a. - 501 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	80.85 kDa
AA Sequence	MPSASASRKSQEKPREIMDAAEDYAKERYGISSMIQSQEKPDRLVLRVRDLTIQKAD EVVWVRARVHTSRAKGGKQCFVLVRQQQFNVQALVAVGDHASKQMVKFAANINKESI VDVEGVVRKVNQKIGSCTQQDVELHVQKIYVISLAEPRPLQLDDAVRPEAEGEEEG RATVNQDTRLNDRVIDLRTSTSQAVFRLQSGICHLFRETLINKGFVEIQTPKIISAASE GGANVFTVSYFKNNAYLAQSPQLYKQMCICADFEKVFSIGPVFRAEDSNTHRHLETF VGLDIEMAFNYHYHEVMEEIADTMVQIFKGLQERFQTEIQTVNKQFPCEPFKFLEPTL RLEYCEALAMLREAGVEMGDEDDLSTPNEKLLGHLVKEKYDTDIFYILDKYPLAVRPF YTMPDPRNPKQSNSYDMFMRGEEILSGAQRIHDPQLLTERALHHGIDLEKIKAYIDSF

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	RFGAPPHAGGGIGLERVTMLFLGLHNVRQTSMFPRDPKRLTP
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	DARS aspartyl-tRNA synthetase [Homo sapiens]
Official Symbol	DARS
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

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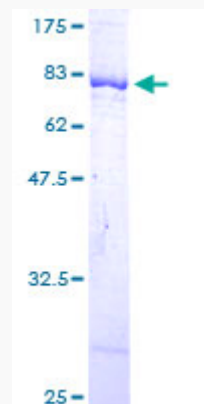
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UniProt ID

P14868

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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