

Datasheet for ABIN7589091

DARS2 Protein (AA 47-652) (His tag)



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Overview

Quantity:	100 µg
Target:	DARS2
Protein Characteristics:	AA 47-652
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This DARS2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>VART NTCGELRSSH LGQEVTLCGW IQYRRQNTFL VLRDCHGLVQ ILIPQDESAA SVRRTLCEAP</p> <p>VESVVRVSGT VIARPLGQEN PKMPTGEIEI KAKTAELLNA CKKLPEIKD FVKKTEALRL</p> <p>QYRYDLRSS QMQHNLRLRS QMVMKMREYL CTLHGFVDIE TPTLFKRTPG GAKEFLVPSR</p> <p>EPGRFYSLPQ SPQQFKQLLM VGGLDRYFQV ARCYRDEGSR PDRQPEFTQI DIEMSFVDQT</p> <p>GIQHLVEGLL HYSWPEDKDP LVAPFPSMTF AEALATYGTD KPDTRFGMKI VDISDVFRNT</p> <p>EIRFLQDALA KPQGTVKAIC VHEGAKYLRK EDIEFIRKFA AHHFSQEVLP IFLNARKNWS</p> <p>SPFAKFITEE ERLELTRLME IQEDDMVLLT AGQHEKACSL LGKLRLECAD LLETGLALR</p> <p>DPALFSFLWV LDFPLFLAKE ESPTESAH HPFTAPHPGD IHLLYTEPEK VRGQHYDLVL</p> <p>NGNEIGGGSI RIHDAQLRQY ILETLLKEDV KLLSHLLQAL DYGAAPHGGI ALGLDRLVCL</p> <p>VTGAPSIRDV IAFPKSYRGH DLMSNAPDTV SPEDLKPYHI HVSWPTDSEE RASATPSKYL SS</p>
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian

Product Details

cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

Target Details

Target: DARS2

Alternative Name: Aspartate--tRNA ligase, mitochondrial (Dars2) ([DARS2 Products](#))

Background: Recommended name: Aspartate--tRNA ligase, mitochondrial.
EC= 6.1.1.12.
Alternative name(s): Aspartyl-tRNA synthetase.
Short name= AspRS

UniProt: [Q3KRD0](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Handling

Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.