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Datasheet for ABIN1618090

## EARS2 Protein (AA 23-503) (His tag)

### Overview

Quantity:	1 mg
Target:	EARS2
Protein Characteristics:	AA 23-503
Origin:	Zebrafish (Danio rerio)
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This EARS2 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>APSPTGFL HLGGLRTALY NFLFSRQRRG VFILRETD QKRLVPGAAE HIEDMLEWAG</p> <p>IPPDESSRRG GDYGPYVQSE RLHLYTEAAS SLLNTGHAYY CFCSNQRLLE LKKEAQRSGH</p> <p>APRYDNRCRR LQPQQVEQKL AAGVPAVVRF KLHTGTEEFQ DLVFGWTGHA VGAVEGDPVI</p> <p>LKADGYPTYH LASVDDHHM RISHVLRGCE WLISSAKHLQ LYRALRWTPP TYAHLPLLLN</p> <p>RDGSKLSKRQ GDIFLQSFRD RGVLPETLLD LVTHAGSGFS DNRMGRRLE LIRDFNISKI</p> <p>TTHSALLDLD KLEEF SRLHL QRRIDPQQC VWLCEELKQM VKHTHSSEIS AA AVLEPEYI</p> <p>ERVLQLRKGH ISSLQDLLSS THSYLWVRPR VSQTQLQSES AHAKDIATAV MQMVLAGGSL</p> <p>VSMERLSSEL KQISSRTNST HSSVMKVLRL LLSAQQRGPS VAEMMLSLGE QEVCVRLQKA LEL</p>
Specificity:	Danio rerio (Zebrafish) (Brachydanio rerio)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

## Product Details

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Purity: > 90 %

## Target Details

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Target: EARS2

Alternative Name: Probable glutamate--tRNA ligase, mitochondrial (ears2) ([EARS2 Products](#))

Background: Recommended name: Probable glutamate--tRNA ligase, mitochondrial.  
EC= 6.1.1.17.  
Alternative name(s): Glutamyl-tRNA synthetase.  
Short name= GluRS

UniProt: [Q0P499](#)

## Application Details

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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

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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

Storage: -20 °C

## Handling

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