

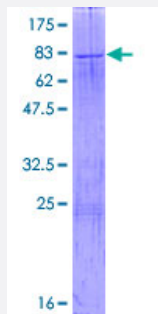
Full-Length

EARS2 (Human) Recombinant Protein (P01)

Catalog # H00124454-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EARS2 full-length ORF (NP_597708.1, 1 a.a. - 523 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAALLRRLQLRERPSAASGRPVGRREANLGTAGVAVRVRFAPSPTGFLHLGGLRTALYNYIFAK
KYQGSFILRLDQTRVPGAAENIEDMLEWAGIPPDESPPRRGGPAGPYQQSQRLLEYAQATEA
LLKTGAAYPCFCSPQRLLELLKKEALRNHQTPTYDNRCRNMSQEQVAQKLAKDPKPAIRFRLEQV
VPAFQDLVYGWNRHEVASVEGDPVIMKSDGFPTYHLACVDDHHMGISHVLRGSEWLVSTAKHL
LLYQALGWQPPHFAHLPLLLNRDGSKLSKRQGDVFLEHFAADGFLPDSLDDITNCGSGFAENQM
GRTLPELITQFNLTQVTCHSALLDLEKLPEFNRLHLQRLVSNESQRRQLVGKLQVLVEEAFGCQL
QNRDVLNPVYVERILLRQGHICRLQDLVSPVYSYLWTRPAVGRAQLDAISEKVDVIKRVLGLLER
SGMSLTQDMLNGELKKLSEGLEGTKYSNVMKLLRMALSGQQQGPPVAEMMLALGPKEVRERIQ
KVVSS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

85.1

Interspecies Antigen Sequence

Mouse (85)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — EARS2

Entrez GeneID	124454
GeneBank Accession#	NM_133451.1
Protein Accession#	NP_597708.1
Gene Name	EARS2
Gene Alias	KIAA1970, MSE1
Gene Description	glutamyl-tRNA synthetase 2, mitochondrial (putative)
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	glutamate tRNA ligase 2, mitochondrial (putative) glutamyl tRNA synthetase 2

Pathway

- [Aminoacyl-tRNA biosynthesis](#)

- [Metabolic pathways](#)
- [Porphyrin and chlorophyll metabolism](#)