Recombinant Mouse Hars2 Protein, His-tagged

Cat. No. Hars2-1616M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Hars2 Protein (Asn212-Ser505) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asn212-Ser505
Description	This gene encodes a putative member of the class II family of aminoacyl-tRNA synthetases. These enzymes play a critical role in protein biosynthesis by charging tRNAs with their cognate amino acids. This protein is encoded by the nuclear genome but is likely to be imported to the mitochondrion where it is thought to catalyze the ligation of histidine to tRNA molecules. Mutations in a similar gene in human have been associated with Perrault syndrome 2 (PRLTS2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.5 kDa Accurate Molecular Mass: 35 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Hars2 histidyl-tRNA synthetase 2, mitochondrial (putative) [Mus musculus (house mouse)]
Official Symbol	Hars2
Synonyms	HARS2; histidyl-tRNA synthetase 2, mitochondrial (putative); probable histidine--tRNA ligase, mitochondrial; hisRS; histidine--tRNA ligase; probable histidyl-tRNA synthetase, mitochondrial; HO3; HARSR; Harsl; AI593507; 4631412B19Rik;
Gene ID	70791
mRNA Refseq	NM_080636
Protein Refseq	NP_542367
UniProt ID	Q99KK9

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