

Recombinant Mouse Kars Protein, Myc/DDK-tagged

Cat. No. Kars-3642M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length lysyl-tRNA synthetase (Kars), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the specific attachment of an amino acid to its cognate tRNA in a 2 step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA.
Molecular Mass	67.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	Kars lysyl-tRNA synthetase [Mus musculus (house mouse)]
Official Symbol	Kars
Synonyms	KARS; lysyl-tRNA synthetase; lysine--tRNA ligase; LysRS; AA589550; AL024334; AL033315; AL033367; D8Wsu108e; mKIAA0070; D8Ert698e
Gene ID	85305
mRNA Refseq	NM_053092
Protein Refseq	NP_444322
UniProt ID	Q99MN1

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