

Recombinant Human KARS1 Protein (Arg323-Arg553), N-His tagged

Cat. No. KARS1-3384H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KARS1 (Arg323-Arg553) protein fused with the N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg323-Arg553
Description	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. Lysyl-tRNA synthetase is a homodimer localized to the cytoplasm which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	28.80 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the

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	date of receipt.
Storage Buffer	0.01M PBS, pH 7.4, 0.02 % NLS
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

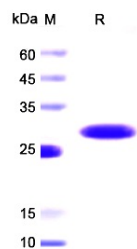
Gene Name	KARS1 lysyl-tRNA synthetase 1 [Homo sapiens (human)]
Official Symbol	KARS1
Synonyms	KARS1; lysyl-tRNA synthetase 1; KRS; KARS; KARS2; LEPID; CMTRIB; DEAPLE; DFNB89; lysine--tRNA ligase; lysRS; lysine tRNA ligase; EC 6.1.1.6
Gene ID	3735
mRNA Refseq	NM_005548
Protein Refseq	NP_005539
MIM	601421
UniProt ID	Q15046

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SDS-PAGE



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