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Product datasheet for AR39106PU-L

KARS (63-597, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	KARS (63-597, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSGVGPEEE SVDPNQYYKI RSQAIHQLKV NGEDPYPHKF HVDISLTDFI QKYSHLQPGD HLTDITLKVA GRIHAKRASG GKLIFYDLRG EGVKLQVMAN SRNYKSEEEF IHINNKLRRG DIIGVQGNPG KTKKGELSII PYEITLLSPC LHMLPHLHFG LKDKETRYRQ RYLDLILNDF VRQKFIIRSK IITYIRSFLD ELGFLEIETP MMNIIPGGAV AKPFITYHNE LDMNLYMRIA PELYHKMLVV GGIDRVYEIG RQFRNEGIDL THNPEFTTCE FYMAYADYHD LMEITEKMVS GMVKHITGSY KVTYHPDGPE GQAYDVDFTP PFRRINMVEE LEKALGMKLP ETNLFETEET RKILDDICVA KAVECPPPRT TARLLDKLVG EFLEVTCINP TFICDHPQIM SPLAKWHRSK EGLTERFELF VMKKEICNAY TELNDPMRQR QLFEEQAKAK AAGDDEAMFI DENFCTALEY GLPPTAGWGM GIDRVAMFLT DSNNIKEVLL FPAMKPEDKK ENVATTDTLE STTVGTSV
Tag:	His-tag
Predicted MW:	63.7 kDa
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human KARS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001123561
Locus ID:	3735

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UniProt ID: Q15046

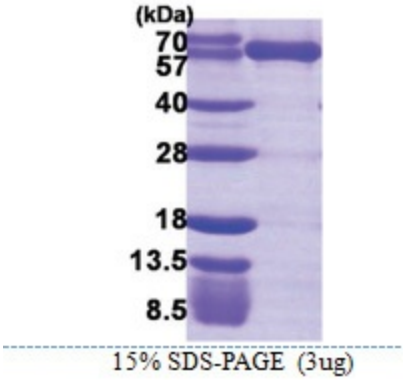
Cytogenetics: 16q23.1

Synonyms: CMTRIB; DEAPLE; DFNB89; KARS; KARS2; KRS; LEPID

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Pathways: Aminoacyl-tRNA biosynthesis

Product images:



15% SDS-PAGE (3ug)