

KARS recombinant protein

Recombinant Human KARS Protein

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA263229	Human cells	Human	SDS-Page, Western Blot, ELISA

PRODUCT SYNONYMS

KARS; Recombinant Human KARS Protein; KIAA0070; Lysine--tRNA ligase; Lysyl-tRNA synthetase; LysRS; KARS recombinant protein

PRODUCT SPECIFICATIONS

Host	Human cells
Reactivity	Human
Purity/Purification	Greater than 95% as determined by reducing SDS-PAGE.
Form/Format	Liquid in a 0.2 uM filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 20% Glycerol, pH8.0.
Sequence	AAVQAAEVKV DGSEPKLSKN ELKRRLLKAEK KVAEKEAKQK ELSEKQLSQA TAAATNHTTD NGVGPEEESV DPNQYYKIRS QAIHQLKVNQ EDPYPHKFHV DISLTDFIQK YSHLQPGDHL TDITLKVAGR IHAKRASGGK LIFYDLRGEG VKLQVMANSR NYKSEEEFIH INNKLRRGDI IGVQGNPGKT KKGELSIIPY EITLLSPCLH MLPHLHFGLK DKETRYRQRY LDLILNDFVR QKFIIRSKII TYIRSFLDEL GFLEIETPMM NIIPGGAVAK PFITYHNELD MNLYMRIAPE LYHKMLVVGG IDRVYEIGRQ FRNEGIDLTH NPEFTTCEFY MAYADYHDLN EITEKMVSGM VKHITGSYKV TYHPDGPEGQ AYDVFDTPPF RRINMVEELE KALGMKLPET NLFETEETRK ILDDICVAKA VECPPPRTTA RLDDKLVEGF LEVTCINPTF ICDHPQIMSP LAKWHRSKEG LTERFELFVM KKEICNAYTE LNDPMRQRL FEEQAKAKAA GDDEAMFIDE NFCTALEYGL PPTAGWGMGI DRVAMFLTDS NNIKEVLLFP AMKPEDKKEN VATTDLTLEST TVGTSVVDHH HHHH
Applicable Applications for KARS recombinant protein	MS (Mass Spectrometry), SDS-PAGE, WB (Western Blot), ELISA
Endotoxin	Less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage.
Preparation and Storage	Store it at -20°C to -80°C for one year. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for KARS recombinant protein	Recombinant Human KARS Protein is produced by our mammalian expression system and the target gene encoding Ala2-Val597 is expressed with a 6His tag at the C-terminus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194272210
NCBI GeneID	3735
NCBI Accession #	NP_001123561.1
NCBI GenBank Nucleotide #	NM_001130089.1
UniProt Accession #	Q15046; O14946; Q96J25; Q9HB23; A8MSK1; D3DUK4
NCBI Official Full Name	lysine--tRNA ligase isoform 1

NCBI Official Synonym Full Names	lysyl-tRNA synthetase
NCBI Official Symbol	KARS
NCBI Official Synonym Symbols	KRS; KARS1; KARS2; CMTRIB; DFNB89
NCBI Protein Information	lysine--tRNA ligase
UniProt Protein Name	Lysine--tRNA ligase
UniProt Gene Name	KARS
UniProt Synonym Gene Names	KIAA0070; LysRS
UniProt Entry Name	SYK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/kars-recombinant-protein-human-cells-ms-mass-spectrometry-sds-page-wb-western-blot-elisa/263229>