

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

KARS, 63-597aa, Human, His, E.coli

产品货号: TP02714

第三版

别名:Lysyl-tRNA synthetase, CMTRIB, KARS2, KIAA0070, KRS.

描述:KARS, also known as Lysyl-tRNA synthetase, belongs to the class-II aminoacyl-tRNA synthetase family. It exists as both mitochondrial and cytoplasmic isoforms produced by alternative splicing, and thought to play a role in autoimmune diseases, such as polymyositis or dermatomyositis. This protein functions to catalyze the aminoacylation of tRNAs by their corresponding amino acids, thus linking amino acids with tRNA-contained nucleotide triplets.

配方:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl,1mM DTT

分子量:63.7 kDa (558aa)

序列:

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MGSSHHHHHHSSGLVPRGSHMGSGVGPEEESVDPNQYYKIRSQAIHQLKVNAGEDPYPHKFHVDISLTDIFIQKYSHLQPG
DHLTDITLKVAGRIHAKRASGGKLIFYDLRGEGVKLQVMANSRNYKSEEFIHINNKLRRGDIIGVQGNPGKTKKGELSIIP
YEITLLSPCLHMLPHLHFGLKDKETRYRQRYLDLILNDFVRQKFIIRSKIITYIRSFLDELGFLEIETPMMNIIIPGGAVAKPFITY
HNELDMNLYMRIAPELYHKMLVVGIDRVYEIGRQFRNEGIDLTHNPEFTTCEFYMAYADYHDLMEITEKMOVSGMVKHI
TGSYKVTYHPDGPEGQAYDVDFTPPFRRINMVEELEKALGMKLPETNLFETEETRKILDDICVAKAVECPPRPTTARLLDKL
VGEFLEVTCINPTFICDHPQIMSPKAWHRSKEGLTERFELFVMKKEICNAYTELNDPMRQRQLFEEQAKAKAAGDDEAM
FIDENFCTALEYGLPPTAGWGMGIDRVAMFLTDSNNIKEVLLFPAMKPEDKKENVATTDLTLESTTVGTSV
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纯度:> 95% by HPLC

浓度:1.0 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.