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FARS2, 37-451aa, Human, His tag, E.coli

产品货号: TP02091

第三版

别名: Phenylalanyl-tRNA synthetase 2, mitochondrial, dJ520B18.2, FARS1, HSPC320, PheRS

描述: Phenylalanyl-tRNA synthetase 2, mitochondrial (PheRS), also known as FARS2, belongs to the class II aminoacyl-tRNA synthetase family. FARS2 is a mitochondrial matrix protein. Functioning as a monomer, FARS2 catalyzes the ATP-dependent conversion of L-phenylalanine and tRNA (Phe) to L-phenylalanyl-tRNA (Phe), an event that is crucial for proper translation and protein expression. Recombinant human FARS2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 1mM EDTA, 0.1M NaCl

分子量: 50.6kDa (436aa), confirmed by MALDI-TOF

序列:

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MGSSHHHHHSSGLVPRGSHMPAAECATQRAPGSVVELLGKSYQDDHNSLNRKVLTRVGRNLHNQQHHPLWLIKER  
VKEHFYKQYVGRFGTPLFSVYDNLSPVVTTWQNFDSLLIPADHPSRKKGDNYLNRTHMLRAHTSAHQWDLHAGLDA  
FLVVGDVYRRDQIDSQHYPHFHQLEAVRLFSEKHELFAGIKDGESLQFEQSSRSAHKQETHMEAVKLVEFDLQTLTRLM  
AHLFGDELEIRWVDCYFPFTHPSFEMEINFHGEWLEVLGCGVMEQQLVNSAGAQRIGWAFGLGLERLAMILYDIPDIRL  
FWCEDERFLKQFCVSNINQKVKFQPLSKYPAVINDISFWLPSENYAENDFYDLVRTIGGDLVEKVDLIDKRVHPKTHKTS  
CYRITYRHMERTLSQREVRHIHQALQEAAVQLLGVEGRF
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纯度: > 95% by HPLC

浓度: 0.5 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.