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MRPS28, 72-187aa, Human, His tag, E.coli

产品货号: TP03029

第三版

别名: 28S ribosomal protein S28, mitochondrial, HSPC007, MRP-S28, MRP-S35, MRPS35

描述: Mammalian mitochondrial ribosomal proteins help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that has been called mitochondrial ribosomal protein S35 in the literature. Recombinant human MRPS28 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 Phosphate buffer saline (pH 8.0) containing 20% glycerol, 1mM DTT

分子量: 15.5 kDa (193aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSGSPKNVESFASMLRHSPLTQMGPADKLVIGRIFHIVENDLYIDFGGKFHCVCRPE
VDGEKYQKGTRVRLRLDLELTSRFLGATTTVLEANAVLLGIQESKDSRSKEEHHEK

纯度: > 95% by HPLC

浓度: 0.25 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.