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MRPL48, 29-212aa, Human, His tag, E.coli

产品货号: TP03025

第三版

别名: Mitochondrial ribosomal protein L48, CGI-118, HSPC290, L48MT, MRP-L48

**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 39S subunit protein. A pseudogene corresponding to this gene is found on chromosome 6p. Recombinant human MRPL48 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**配方:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**分子量:** 23.1 kDa (207aa)

**序列:**

MGSSHHHHHSSGLVPRGSHMGSSGEKPIYSVGGILLSISRPYTKPTHGIGKYKHLIKAEPPKKKKGKVEVRAINLGTDYE  
YGVLNILHTAYDMTLAESYAQYVHNLCNSLSIKVEESYAMPTKTIEVLQLQDQGSKMLLDSVLTTHERVVQISGLSATFAEI  
FLEIIQSSLPEGVRLSVKEHTEEDFKGRFKARPELEELLAKLK

**纯度:** > 95% by HPLC

**浓度:** 1 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.