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**MRPS28, 72-187aa, Human, His tag, E.coli****Cat.NO.: TP03029**

3th Edition

**Synonyms:**28S ribosomal protein S28, mitochondrial, HSPC007, MRP-S28, MRP-S35, MRPS35**Description:**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.**Form:**Liquid. In 20mM Phosphate buffer saline (pH 8.0) containing 20% glycerol, 1mM DTT**Molecular Weight:**15.5 kDa (193aa) confirmed by MALDI-TOF**Sequences:**MGSSHHHHHSSGLVPRGSHMGSGSPKNVESFASMLRHSPQTQMGPAKDKLVIGRIFHIVENDLYIDFGGKFHCV  
CRRPEVDGEKYQKGTRVRLRLDLELTSRFLGATTTVLEANAVALLLGIQESKDSRSKEEHHEK**Purity:**> 95% by HPLC**Concentration:**0.25 mg/ml (determined by Bradford assay)**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.