

32-4244: Recombinant Human Mitochondrial Ribosomal Protein S23

Alternative Name : Mitochondrial Ribosomal Protein S23,MRP-S23,S23mt,28S Ribosomal Protein S23,Mitochondrial,CGI-138,HSPC329,MRPS23.

Description

Source : Escherichia Coli. MRPS23 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 213 amino acids (1-190 a.a) and having a molecular mass of 24.2kDa.MRPS23 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Mitochondrial Ribosomal Protein S23, also known as MRPS23 belongs to the mammalian mitochondrial ribosomal proteins which are encoded by nuclear genes and assist in protein synthesis inside the mitochondrion. Mitochondrial ribosomes consist of a small 28S subunit and a large 39S subunit. In addition, they have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. An additional difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Between different species, the proteins containing the mitoribosome differ very much in sequence, and occasionally in biochemical properties, which prevents easy recognition by sequence homology.

Product Info

Amount : 20 µg
Purification : Greater than 85% as determined by SDS-PAGE.
Content : MRPS23 protein solution (1mg/ml) containing Phosphate buffer saline (pH 7.4) and 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSMAGSRLE TVGSIFSRT R DLVRAGVLKE KPLWFDVYDA
 FPPLREPVFQ RPRVRYGKAK APIQDIWYHE DRIRAKFYSV YGSGQRAFDL FNP NFKSTCQ RFVEKYTELQ
 KLGETDEEKL FVETGKALLA EGVILRRVGE ARTQHGGSHV SRKSEHLSVR PQTALEENET QKEVPQDQHL
 EAPADQSKGL LPP.

