Recombinant Human 39S ribosomal protein L16, mitochondrial (MRPL16)

Product Code	CSB-EP882128HU
Abbreviation	MRPL16
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9NX20
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	PSFE DVSIPEKPKL RFIERAPLVP KVRREPKNLS DIRGPSTEAT EFTEGNFAIL ALGGGYLHWG HFEMMRLTIN RSMDPKNMFA IWRVPAPFKP ITRKSVGHRM GGGKGAIDHY VTPVKAGRLV VEMGGRCEFE EVQGFLDQVA HKLPFAAKAV SRGTLEKMRK DQEERERNNQ NPWTFERIAT ANMLGIRKVL SPYDLTHKGK YWGKFYMPKR V
Source	E.coli
Target Names	MRPL16
Protein Names	Recommended name: 39S ribosomal protein L16, mitochondrial Short name= L16mt Short name= MRP-L16
Expression Region	37-251
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final

	concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.