



Recombinant Bovine 28S ribosomal protein S27, mitochondrial (MRPS27)

Product Code	CSB-EP656989BO-B
Abbreviation	MRPS27
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.	Q32PI8
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	>85% (SDS-PAGE)
Sequence	MAAPMVRRAI FLARNVLLPQ LSLAGKRYLL SAAYEDSRKW EARAKEDCHL ADLASLMDKT YERKLPVSSL TISRFVDNIS SREEIDHA EY YLYKFRHSPN CWYLRNWTIH TWIRQCLKYG AQDKALYTLV NKVQYGIFPD NYTFNLLMDH FIKKENYKDA LSVVFEIMMQ EAFEVPSTQL LSLYVLYQCL AKKTDFSWEE ERNFGASLLL PGLKQKNSVG LSSQLYGYAL LGKVELQQGL RAVYHNMPLL WRPGYLDRAL QVMEKVASSP EDGKLCREAL GVLDRALKAL TAPAQESPEE QPQEGEESPA SEELMEQLDV EETEQSKLPR YVERYEALHS KLQALGKVES ESLLTLTTQL VKEQLPTCEA EDIATYEQKL QEWHLLELVNL IEREKEMREK ARLKHEARRA AKAAA
Source	E.coli
Target Names	MRPS27
Protein Names	Recommended name: 28S ribosomal protein S27, mitochondrial Short name= MRP-S27 Short name= S27mt
Expression Region	1-415
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 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 28S subunit protein



that may be a functional partner of the death associated protein 3 (DAP3).

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

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