

Recombinant Human MRPL43 protein, His-tagged

Cat. No. MRPL43-1006H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MRPL43 protein(1-159 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-159 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	MTARGTPSRFLASVLHNGLG RYVQQLQRLSFSVSRDGASSRGAREFVEREVIDFAR RNP GVVIIYVNSRPCCVPRVVAEYLN GAVREESI HCKSV E EISTLVQKLADQSGLDVIR IRKPFHTDNPSIQGQWHPFTNKPTTFRGLRPREVQDPAPAQVQAQ
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25

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g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	MRPL43 mitochondrial ribosomal protein L43 [Homo sapiens]
Official Symbol	MRPL43
Synonyms	MRPL43; mitochondrial ribosomal protein L43; 39S ribosomal protein L43, mitochondrial; bMRP36a; L43mt; MRP-L43; mitochondrial ribosomal protein bMRP36a; MGC17989; MGC48892;
Gene ID	84545
mRNA Refseq	NM_032112
Protein Refseq	NP_115488
MIM	611848
UniProt ID	Q8N983

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SDS-PAGE

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