

Recombinant Human MRPL12 protein, His-tagged

Cat. No. MRPL12-5643H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MRPL12 protein(1-198 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-198 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	MLPAAARPLWGPCGLRAAAFRLARRQVPCVCAVRHMRSSGHQRCEALAGAPLDN APKEYPPKIQQLVQDIASLTLEISDLNELLKKTLLKIQDVGLVPMGGVMSGAVPAAAA QEAVEEDIPIAKERTHTFTVRLTEAKPVDKVKLIKEIKNYIQGINLVQAKKLVESLPQEIK ANVAKAEAEKIKAALEAVGGTVVLE
Purity	85%, 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.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 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 MRPL12 mitochondrial ribosomal protein L12 [Homo sapiens]

Official Symbol MRPL12

Synonyms MRPL12; mitochondrial ribosomal protein L12; RPML12; 39S ribosomal protein L12, mitochondrial; MRPL7; MRPL7/L12; MRP-L12; 5c5-2; L12mt; MRP-L31/34; MGC8610; FLJ60124;

Gene ID 6182

mRNA Refseq NM_002949

Protein Refseq NP_002940

MIM 602375

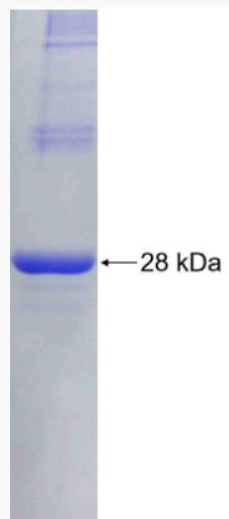
UniProt ID P52815

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SDS-PAGE



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