Datasheet for ABIN2726358

# MRPL44 Protein (His tag)

1 Image

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## Overview

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|---|---|
| Quantity: | 50 µg |
| Target: | MRPL44 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This MRPL44 protein is labelled with His tag. |
| Application: | Antibody Production (AbP), Standard (STD) |

## Product Details

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| Characteristics: | • Recombinant human MRPL44 (full length, N-term HIS tag) protein expressed in E. coli.<br>• Produced with end-sequenced ORF clone |
| Purity: | > 80 % as determined by SDS-PAGE and Coomassie blue staining |

## Target Details

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| Target: | MRPL44 |
| Alternative Name: | Mrpl44 (MRPL44 Products) |
| Background: | 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 |

## Target Details

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| | 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. |
| Molecular Weight: | 37.4 kDa |
| NCBI Accession: | NP_075066 |

## Application Details

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| Application Notes: | Recombinant human proteins can be used for:<br>Native antigens for optimized antibody production<br>Positive controls in ELISA and other antibody assays |
| Comment: | The tag is located at the N-terminal. |
| Restrictions: | For Research Use only |

## Handling

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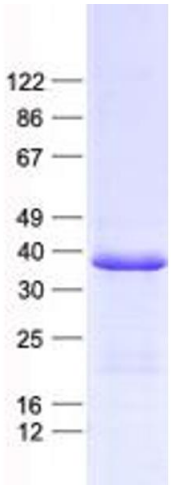
| Concentration: | 50 µg/mL |
| Buffer: | 50 mM Tris, 8M Urea, pH 8.0. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended. |

## Images




**Western Blotting**

**Image 1.** Validation with Western Blot