

# Recombinant Full Length Human MRM1 Protein, GST-tagged

**Cat. No.** MRM1-6371HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human MRM1 full-length ORF ( NP_079140.2, 1 a.a. - 353 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 353 amino acids                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | MRM1 (Mitochondrial RNA Methyltransferase 1) is a Protein Coding gene. Among its related pathways are rRNA processing in the nucleus and cytosol and Gene Expression. GO annotations related to this gene include poly(A) RNA binding and methyltransferase activity.                                                                                                                             |
| <b>Molecular Mass</b>   | 65 kDa                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MALLSTVRGATWGRLVTRHFSHAARHGERPGGEELSRLLLDDLVP T SRLELLFGMT<br>PCLLALQAARRSVARLLLQAGKAGLQGKRAELLRMAEARDIPVLRPRRQKLDTMCR<br>YQVHQGVCM EVSPLRPRPWREAGEASPGDDPQQLWLVLVDGIQDPRNFGAVLRSA<br>HFLGVDKVITSRRNSCPLTPVVS KSSAGAMEVMDVFSTDDLTGFLQTKAQQGWLVA<br>GTVGCPSTEDPQSSEIPIMSCLEFLWERPTLLVLGNEGSGLSQEVQASCQLLL TILPR<br>RQLPPGLES LNVSVAAGILLHSICSQRKGFPT EGERRQLLQDPQEPSARSEGLSMA<br>QHPGLSSGPEKERQNEG |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay                                                                                                                                                                                                                                                                                                                                                               |

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|-----------------------|----------------------------------------------------------------------------|
|                       | Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.     |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.   |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.   |

## GENE INFORMATION

|                        |                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MRM1 mitochondrial rRNA methyltransferase 1 homolog (S. cerevisiae) [ Homo sapiens ]                                                                                         |
| <b>Official Symbol</b> | MRM1                                                                                                                                                                         |
| <b>Synonyms</b>        | MRM1; mitochondrial rRNA methyltransferase 1 homolog (S. cerevisiae); rRNA methyltransferase 1, mitochondrial; FLJ22578; mitochondrial large ribosomal RNA ribose methylase; |
| <b>Gene ID</b>         | 79922                                                                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_024864                                                                                                                                                                    |
| <b>Protein Refseq</b>  | NP_079140                                                                                                                                                                    |
| <b>MIM</b>             | 618099                                                                                                                                                                       |
| <b>UniProt ID</b>      | Q6IN84                                                                                                                                                                       |

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