

# Recombinant Full Length Human MTFR1 Protein, GST-tagged

**Cat. No.** MTFR1-6502HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Human MTFR1 full-length ORF (AAH43498.1, 1 a.a. - 333 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>    | 333 amino acids                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | This gene encodes a mitochondrial protein that is characterized by a poly-proline rich region. A chicken homolog of this protein promotes mitochondrial fission and the mouse homolog protects cells from oxidative stress. A related pseudogene of this gene is found on chromosome X. [provided by RefSeq]                                                      |
| <b>Molecular Mass</b>   | 63.03 kDa                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MLGWIKRLIRMVFQQVGVSMQSVLWSRKPYGSSRSIVRKIGTNLSLIQCPRVQFQIN<br>SHATEWSPSHPGEDAVASFADVGVWAKEEGECSARLRTEVRSRPLQDDLLFFFEK<br>APSRQISLPDLSQEEPQLKTPALANEEALQKICALENELAALRAQIAKIVTQQEQQNLT<br>AGDLDDSTTFGTIPPHPPPPPPPLPPPALGLHQSTSAVDLKERREKRANAGKTLVKN<br>NPKKPEMPNMLEILKEMNSVKLRSVKRSEQDVKPKPVDATDPAALIAEALKKKFAYR<br>YRSDSQDEVEKGIPKSESEATSERVLFGPHMLKPTGKMKALIENVSDS |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)                                                                                                                                                                                                                                                                                         |

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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | 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.                                                                                                                       |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                |
| <b>Gene Name</b>        | MTFR1 mitochondrial fission regulator 1 [ Homo sapiens ]                                                                                                                                       |
| <b>Official Symbol</b>  | MTFR1                                                                                                                                                                                          |
| <b>Synonyms</b>         | MTFR1; mitochondrial fission regulator 1; CHPPR; FAM54A2; KIAA0009; likely ortholog of chicken chondrocyte protein with a poly proline region; chondrocyte protein with a poly-proline region; |
| <b>Gene ID</b>          | 9650                                                                                                                                                                                           |
| <b>mRNA Refseq</b>      | NM_001145838                                                                                                                                                                                   |
| <b>Protein Refseq</b>   | NP_001139310                                                                                                                                                                                   |
| <b>MIM</b>              | 619414                                                                                                                                                                                         |
| <b>UniProt ID</b>       | Q15390                                                                                                                                                                                         |

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