

# Recombinant Full Length Human MRO Protein, GST-tagged

**Cat. No.** MRO-6372HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human MRO full-length ORF ( NP_114145.1, 1 a.a. - 248 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>    | 248 amino acids                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | This gene is specifically transcribed in males before and after differentiation of testis, and the encoded protein may play an important role in a mammalian sex determination. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq |
| <b>Molecular Mass</b>   | 55.4 kDa                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MDQRQRRILGQPLSIPTSQPKQKRTSMISFFSKVSWKLRQKREPLKNVFFILAERA<br>RDPSAKKRHMAMRNLGTMA YEAPDKVRKYKKIVLDLLVYGLYDPVNLEVIHESMKTL<br>TVVLGKIQKGKLGSGFFIDIALQTRTLLDDENDSLRYS AFVLFGQLAAFA GRKWKKFFT<br>SQVKQTRD SLLIHLQDRNPQVAKACKTTFQACSPYLKLKEEYSFQSEEDQRNTKLY<br>QQLSHYHPEILQFFYANKIL                |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production                                                                                                                                                                                            |

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### 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>       | MRO maestro [ Homo sapiens (human) ]                                                                                                     |
| <b>Official Symbol</b> | MRO                                                                                                                                      |
| <b>Synonyms</b>        | MRO; maestro; B29; C18orf3; protein maestro; beside the Ma29 deletion; male-specific transcription in the developing reproductive organs |
| <b>Gene ID</b>         | 83876                                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_001127174                                                                                                                             |
| <b>Protein Refseq</b>  | NP_001120646                                                                                                                             |
| <b>MIM</b>             | 608080                                                                                                                                   |
| <b>UniProt ID</b>      | Q9BYG7                                                                                                                                   |

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