

# Recombinant Human MOS Protein, GST-tagged

**Cat. No.** MOS-5485H    **Lot. No.** (See product label)

## SPECIFICATION

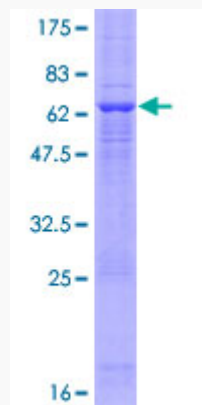
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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human MOS full-length ORF ( NP_005363.1, 1 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | MOS is a serine/threonine kinase that activates the MAP kinase cascade through direct phosphorylation of the MAP kinase activator MEK (MAP2K1; MIM 176872) (Prasad et al., 2008 [PubMed 18246541]).[supplied by OMIM]                                                                                                                                                           |
| <b>Molecular Mass</b>   | 64.2 kDa                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MPSPLALRPYLRSEFSPSVDARPCSSPSELPKLLLGATLPAPRLPRRLAWCSIDW<br>EQVCLLQRLGAGGFGSVYKATYRGVPVAIKQVNKCTKNRLASRRSFWAELNVARLR<br>HDNIVRVAASTRTPAGSNSLGTIIMEFGGNVTLHQVIYGAAGHPEGDAGEPHCRTG<br>GQLSLGKCLKYSLDVVNGLLFLHSQSIVHLDLKPANILISEQDVCKISDFGCSEKLEDL<br>LCFQTPSYPLGGTYTHRAPELLKGEGVTPKADIYSFAITLWQMTTKQAPYSGERQHI<br>LYAVVAYDLRPSLSAAVFEDSLPGQRLGDVIQRCWRPSAAQRPSARLLLVDLTSLKA<br>ELG |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                               |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>        | MOS v-mos Moloney murine sarcoma viral oncogene homolog [ Homo sapiens ]                                                                                                                                                                        |
| <b>Official Symbol</b>  | MOS                                                                                                                                                                                                                                             |
| <b>Synonyms</b>         | MOS; v-mos Moloney murine sarcoma viral oncogene homolog; proto-oncogene serine/threonine-protein kinase mos; c-mos; proto-oncogene c-Mos; oocyte maturation factor mos; oncogene MOS, Moloney murine sarcoma virus; MSV; MGC119962; MGC119963; |
| <b>Gene ID</b>          | 4342                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>      | NM_005372                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>   | NP_005363                                                                                                                                                                                                                                       |
| <b>MIM</b>              | 190060                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>       | P00540                                                                                                                                                                                                                                          |

**Quality Control****Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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