

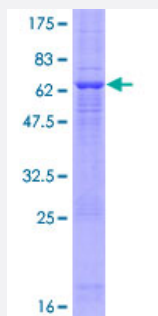
Full-Length

MOS (Human) Recombinant Protein (P01)

Catalog # H00004342-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MOS full-length ORF (NP_005363.1, 1 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPSPLALRPYLRSEFSPSVDARPCSSPSELPKLLLGATLPRAPRLPRRLAWCSIDWEQVCLLQ
RLGAGGFGSVYKATYRGVPVAIKQVNKCTKNRLASRRSFWAELNVARLRHDNMRVVAASTRTPA
GSNSLGTIMEFGGNVTLHQVIYGAAGHPEGDAGEPHCRTGGQLSLGKCLKYSLDVVNGLLFLHS
QSIVHLDLKPANILISEQDVCKISDFGCSEKLEDLLCFQTPSYPLGGTYTHRAPELLKGEGVTPKADI
YSFAITLWQMTTKQAPYSGERQHILYAVVAYDLRPSLSAAVFEDSLPGQRLGDVIQRCWRPSAAQ
RPSARLLLVDLTSLKAELG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

64.2

Interspecies Antigen Sequence

Mouse (73); Rat (72)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MOS

Entrez GeneID[4342](#)**GeneBank Accession#**[NM_005372.1](#)**Protein Accession#**[NP_005363.1](#)**Gene Name**

MOS

Gene Alias

MGC119962, MGC119963, MSV

Gene Description

v-mos Moloney murine sarcoma viral oncogene homolog

Omim ID[190060](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

Oncogene MOS, Moloney murine sarcoma virus

Pathway

- [MAPK signaling pathway](#)

- [Regulation of actin cytoskeleton](#)

Disease

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)