

## Datasheet for ABIN6700848 **MOS Protein (GST tag)**



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### Overview

Quantity:	20 µg
Target:	MOS
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MOS protein is labelled with GST tag.
Application:	Western Blotting (WB)

### Product Details

Purpose:	MOS recombinant protein-GST fusion protein
Purification:	Recombinant full-length human MOS was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >70% by densitometry.
Purity:	>70%

### Target Details

Target:	MOS
Alternative Name:	MOS ( <a href="#">MOS Products</a> )
Background:	Synonyms: MGC119962, MGC119963, MSV, Proto-oncogene serine/threonine-protein kinase mos EC 2.7.11.1, Oocyte maturation factor mos, Proto-oncogene c-Mos Background: MOS or v-mos Moloney murine sarcoma viral oncogene homolog is a

## Target Details

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serine/threonine kinase that activate the MAP kinase cascade through direct phosphorylation of the MAP kinase activator MEK (1). The early site-specific phosphorylation of CPEB, which was catalyzed by Eg2 is essential for the polyadenylation of c-mos mRNA, subsequent translation of c-mos, and oocyte maturation (2). The interaction with and phosphorylation of MYOD by MOS enhances muscle differentiation. MOS is an essential component of the cytostatic factor that acts almost exclusively in the second meiotic metaphase arrest. MOS Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cell Cycle, and Ser/Thr Kinases research.

NCBI Accession: [NM\\_005372](#)

## Application Details

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Application Notes: Western\_Blot\_Dilution: User Optimized  
Application\_Note: MOS Protein is suitable for use in Western Blot. Expect a band approximately ~66 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.1 µg/µL

Buffer: MOS Protein is stored in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months