

Active Recombinant Human MOS Protein, GST-tagged

Cat. No. MOS-5484H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MOS (NP_005363.1, 1 a.a. - 346 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
Description	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
Form	Liquid
Bio-activity	The activity was determined by ELISA. The enzyme was incubated with GST-fused substrate protein, and after stopping kinase reaction by EDTA, the reaction solution was transferred into glutathione-coated plate. Phosphorylation was detected by anti-phospho antibody and HRP-labeled anti-rabbit IgG(or HRP-labeled anti-mouse IgG). Substrate: MAP2K1 [inactive mutant]. ATP: 100 μ M.
Molecular Mass	65 kDa
Purity	77 % by SDS-PAGE/CBB staining
Applications	Functional Study

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SDS-PAGE

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)

GENE INFORMATION

Gene Name MOS v-mos Moloney murine sarcoma viral oncogene homolog [Homo sapiens]

Official Symbol MOS

Synonyms 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;

Gene ID 4342

mRNA Refseq NM_005372

Protein Refseq NP_005363

MIM 190060

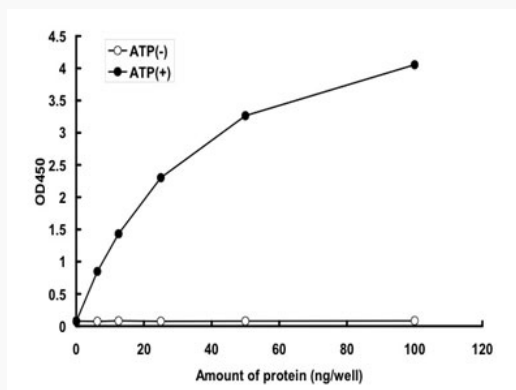
UniProt ID P00540

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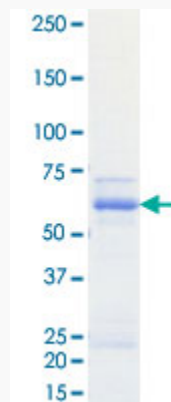
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Result of activity analysis



Quality Control Testing:



Loading 1 µg protein in SDS-PAGE

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