

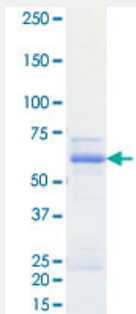
Bioactive

Full-Length

MOS (Human) Recombinant Protein

Catalog # P5602 Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human MOS (NP_005363.1, 1 a.a. - 346 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	65
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	77 % by SDS-PAGE/CBB staining

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 uM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — MOS

Entrez GeneID	4342
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](#)