Recombinant Human MAP3K8, GST-His

Cat. No. MAP3K8-636H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Cot/Tpl2 (a.a. 30-397) with N-terminal GST-His6-tag was expressed in a*Baculovirus infected Sf9 cell*expression system. MW = 70 kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	30-397 a.a.
Description	Mitogen-activated protein kinase kinase kinase 8 is an enzyme that in humans is encoded by the MAP3K8 gene. This gene was identified by its oncogenic transforming activity in cells. The encoded protein is a member of the serine/threonine protein kinase family. This kinase can activate both the MAP kinase and JNK kinase pathways. This kinase was shown to activate IkappaB kinases, and thus induce the nuclear production of NF-kappaB.
Purity	>80%.
Formulated In	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 50% glycerol, 3 mM DTT.
Application	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Stability	>6 months at –80°C.
Pathways	MAPK signaling pathway; T cell receptor signaling pathway; Toll-like receptor

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	signaling pathway; Signaling in Immune system

GENE INFORMATION

Gene Name	MAP3K8 mitogen-activated protein kinase kinase kinase 8 [Homo sapiens]
Synonyms	mitogen-activated protein kinase kinase kinase 8; COT; EST; ESTF; TPL2; MEKK8; Tpl-2; c-COT; FLJ10486; MAP3K8; proto-oncogene c-Cot; tumor progression locus 2; tumor progression locus-2; Ewing sarcoma transformant; Cancer Osaka thyroid oncogene; cot (cancer Osaka thyroid) oncogene; serine/threonine-protein kinase cot; proto-oncogene serine/threoine protein kinase; OTTHUMP00000019393; Ewing sarcoma transformant; OTTHUMP00000019392; TPL-2; Tumor progression locus 2; COT proto-oncogene serine/threonine-protein kinase; EC 2.7.11.25; C-COT
Gene ID	1326
mRNA Refseq	NM_005204
Protein Refseq	NP_005195
MIM	191195
UniProt ID	P41279
Chromosome Location	10p11.23
Function	protein serine/threonine kinase activity; MAP kinase kinase kinase activity; ATP binding; magnesium ion binding; nucleotide binding; protein binding; transferase activity

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