Recombinant Human COT (N-GST tag)

Cat No:HR2R1291

For research use only

Overview

Quantity	10 ?g
Gene Symbol	COT
Gene ID	N/A
Accession	NM_005204
Alternative Name	MAP3K8, EST, ESTF, TPL2, Tpl-2, c-COT, FLJ10486
Species	Human
Source	Insect cells
Description	COT is an oncogene that can activate both the MAP kinase and JNK kinase pathways. COT activates IkappaB kinases and induces the nuclear production of NF-kappaB. C-terminal catalytic domain of KSR2 associates with COT and KSR2 can negatively regulates the kinase activity of COT in vitro. Co-transfection of KSR2 with COT in cells lead to reduced COT-mediated ERK activation and COT-induced IL8 production in a dose-dependent manner . Cot is one of the MAP kinase kinase kinases that regulates the ERK1/ERK2 pathway in response to IL-1. Blockage of expression of Cot results in failure of IL-1 to induce an increase in IL-8 and MIP-1betamRNA levels.
Functions	The specific activity of COT was determined to be 1012 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	70
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	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.