Recombinant Human MAP3K8/COT Kinase

Catalog No.: RP03398LQ

Sequence Information

Species
Human

Gene ID
1326

Swiss Prot
P41279

Tags
N-His-GST

Synonyms
MAP3K8; COT; ESTF; TPL-2; Cancer Osaka thyroid oncogene; c-Cot; Tumor progression locus 2; Mitogen-activated protein kinase kinase kinase 8

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 85% as determined by SDS-PAGE;≥ 85% as determined by HPLC.

Calculated MW
65.9 kDa

Observed MW
60-70 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 200 mM NaCl, 5% glycerol, 1 mM DTT. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Background

Mitogen-activated protein kinase kinase kinase 8 is an enzyme that in humans is encoded by the MAP3K8 gene. MAP3K8 is a member of the serine /threonine-specific protein kinase family. This kinase can activate ERK1, ERK2 and p38 MAP kinases, and was shown to activate IkappaB kinases, and thus induce the nuclear production of NF-kappaB. This kinase was also found to promote the production of TNF-alpha and IL-2 during T lymphocyte activation. Studies of a similar gene in rat suggested the direct involvement of this kinase in the proteolysis of NF-kappaB1, p105 (NFKB1).

Basic Information

Description
Recombinant Human MAP3K8/COT Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met30-Arg397) of Human MAP3K8 (Accession #P41279) fused with a N-His-GST tag.

Activity
The activity of COT is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

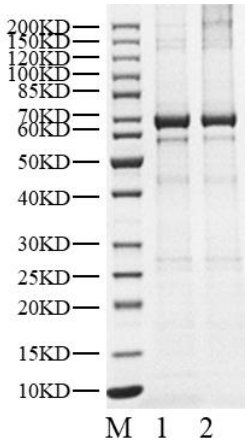
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

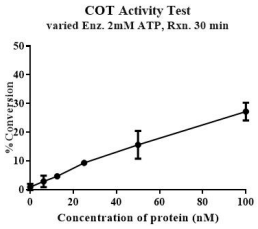
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human MAP3K8/COT Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



The activity of COT is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.