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MAP3K8 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02251

Basic Information

Catalog No.
RM02251

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Gene Information

Gene Symbol
MAP3K8

Species
Human

Gene ID
1326

Swiss Prot
P41279

Synonyms
AURA2; COT; EST; ESTF; MEKK8; TPL2; Tpl-2; c-COT

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Background

This gene is an oncogene that encodes a member of the serine/threonine protein kinase family. The encoded protein localizes to the cytoplasm and can activate both the MAP kinase and JNK kinase pathways. This protein was shown to activate IkappaB kinases, and thus induce the nuclear production of NF-kappaB. This protein was also found to promote the production of TNF-alpha and IL-2 during T lymphocyte activation. This gene may also utilize a downstream in-frame translation start codon, and thus produce an isoform containing a shorter N-terminus. The shorter isoform has been shown to display weaker transforming activity. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2011]

Product Information

Description
MAP3K8 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:54bp insertion and 1bp deletion in exon2
Allele-2:58bp deletion in exon2
Mammalian cells such as human, rat and mouse cells are normally diploid with two alleles. Homozygote: both alleles were knocked out, mRNA has no signal, no expression of proteins. Heterozygote: only one allele was knocked out, the mRNA transcript levels was decreased compared to wild type, and the protein expression levels was also lower than that of the wild type.

Packaging
1 vial parental cell Lysate and 1 vial knockout cell Lysate

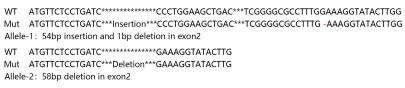
Shipping Conditions
4℃

Amount
50μL, 2μg/μL.

Storage
Store at -20℃

Protocol
To be used as WB control. Lysate is supplied in 1× SDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Lysate should be boiled for 3 - 5 minutes before loading onto gel.

Sequencing data



Genome sequence analysis of PCR products from parental (WT) and MAP3K8 Knockout (KO) 293T cells, using sanger sequencing.