

Recombinant Human MAP2K2 protein, His/MBP-tagged

Cat. No. MAP2K2-301H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAP2K2(1-171 aa) fused with His/MBP tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-171 aa
Description	The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene.
Form	Liquid in PBS
Purity	SDS-PAGE >90%
Applications	WB Positive Control

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
GENE INFORMATION	
Gene Name	MAP2K2 mitogen-activated protein kinase kinase 2 [Homo sapiens]
Official Symbol	MAP2K2
Synonyms	MAP2K2; mitogen-activated protein kinase kinase 2; PRKMK2; dual specificity mitogen-activated protein kinase kinase 2; MEK2; MAPK/ERK kinase 2; MAP kinase kinase 2; ERK activator kinase 2; mitogen-activated protein kinase kinase 2, p45; MKK2; MAPKK2; FLJ26075;
Gene ID	5605
mRNA Refseq	NM_030662
Protein Refseq	NP_109587
MIM	601263
UniProt ID	P36507