

# Recombinant Full Length Human MAP3K2 Protein, C-Flag-tagged

**Cat. No.** MAP3K2-1574HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human MAP3K2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | The protein encoded by this gene is a member of serine/threonine protein kinase family. This kinase preferentially activates other kinases involved in the MAP kinase signaling pathway. This kinase has been shown to directly phosphorylate and activate I kappa B kinases, and thus plays a role in NF-kappa B signaling pathway. This kinase has also been found to bind and activate protein kinase C-related kinase 2, which suggests its involvement in a regulated signaling process. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 69.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MDDQQALNSIMQDLAVLHKASRPALSLQETRKAKSSSPKKQNDVRVKFEHRGEKRI<br>LQFPRPVKLEDLRS KAKIAFGQSMDLHYTNNELVIPLTTQDDLDKAVELLDRIHMKS<br>LKILLVINGSTQATNLEPLPSLEDLD NTVFGAERKKRLSIIGPTSRDRSSPPPGYIPDE<br>LHQVARNGSFTSINSEGEFIPESMDQMLDPLSLSSPE NSGSGSCPSLDSPLDGESY<br>PKSRMPRAQSYPDNHQEFSDYDNPIFEKFGKGGTYPRRYHVSYYHHQEYNDG RKT<br>FPRARRTQGTSLRSPVSFSPTDHSLSSTSSGSSIFTPEYDDSRIRRRGSDIDNPTLTV                                                                                                                 |

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MDISPPSRSP RAPTNWRLGKLLGQGAFGRVYLCYDVTGRELAVKQVQFDPDSPE  
TSKEVNALECEIQLLKNLLHERIVQ YYGCLRDPQEKTLSIFMEYMPGGSIKDQLKAY  
GALTENVTRKYTRQILEGVHYLHSNMIVHRDIKGANIL RDSTGNVKGDFGASKRLQ  
TICLSGTGMKSVTGTPTYWMSPEVISGEGYGRKADIWSVACTVVEMLTEKPP  
WAEFEAMAAIFKIATQPTNPKLPPHVSDYTRDFLKRIFVEAKLRPSADELLRHMFVHY  
HTRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Druggable Genome, Protein Kinase                                                                                                              |
| <b>Protein Pathways</b> | Gap junction, GnRH signaling pathway, MAPK signaling pathway                                                                                  |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

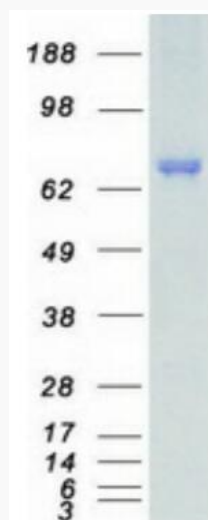
|                        |                                                                                  |
|------------------------|----------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MAP3K2 mitogen-activated protein kinase kinase kinase 2 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | MAP3K2                                                                           |

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|                       |               |
|-----------------------|---------------|
| <b>Synonyms</b>       | MEKK2; MEKK2B |
| <b>Gene ID</b>        | 10746         |
| <b>mRNA Refseq</b>    | NM_006609.5   |
| <b>Protein Refseq</b> | NP_006600.3   |
| <b>MIM</b>            | 609487        |
| <b>UniProt ID</b>     | Q9Y2U5        |



Coomassie blue staining of purified MAP3K2 protein.