# Active Recombinant Full Length Human MAP2K1 Protein, GST-tagged

**Cat. No.** MAP2K1-3929HF **Lot. No.** (See product label)

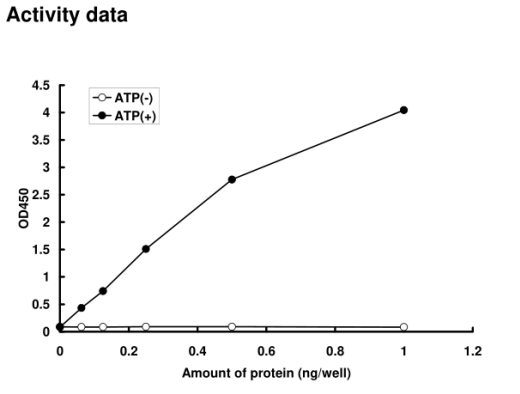
## SPECIFICATION

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| **Product Overview** | Full-length human MAP2K1 [1-393(end) amino acids and P124L of accession number NP_002746.1] was co-expressed as N-terminal GST-fusion protein (70 kDa) with human His-tagged RAF1 [306-648 amino acids and Y340D and Y341D of accession number NP_002871.1] using baculovirus expression system. GST-MAP2K1[P124L] was purified by using glutathione sepharose chromatography and Ni-NTA affinity chromatography. |
| **Species** | Human |
| **Source** | Sf21 Cells |
| **ProteinLength** | 1-393(end) |
| **Form** | 50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5 |
| **Bio-activity** | The activity was determined by ELISA. The enzyme was incubated with GST-fused substrate protein, and after stopping kinase reaction by EDTA, the reaction solution was transferred into glutathione-coated plate. Phosphorylation was detected by anti-phospho antibody and HRP-labeled anti-rabbit IgG(or HRP-labeled anti-mouse IgG) . |
| **Purity** | 97% |
| **Applications** | SDS-PAGE |

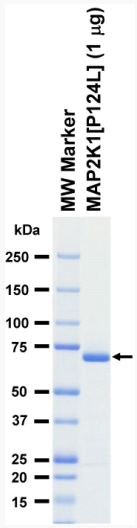
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| **Storage** | Store at -80C. Avoid repeating freeze-thaws. |

## GENE INFORMATION

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| **Gene Name** | mitogen-activated protein kinase kinase 1 |
| **Official Symbol** | MAP2K1 |
| **Synonyms** | MAP2K1;CFC3;MAPKK1;MEK1;MKK1;PRKMK1 |
| **Protein Refseq** | NP_002746.1 |
| **UniProt ID** | Q02750 |
| **Activity data** | <br>The activity was determined by ELISA. The enzyme was incubated with GST-fused substrate protein, and after stopping kinase reaction by EDTA, the reaction solution was transferred into glutathione-coated plate. Phosphorylation was detected by anti-phospho antibody and HRP-labeled anti-rabbit IgG(or HRP-labeled anti-mouse IgG) . |

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| **SDS-PAGE** | <br>The purity was assessed by SDS-PAGE/CBB staining. |

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