Human MEK1 Recombinant Protein

RPPB2582

Product Information

Product SKU:
RPPB2582

Accession:
Q02750

Host:
Sf9 Insect Cells.

Protein Information

Protein description:
MAP2K1 active Human Recombinant produced in Sf9 cells is a glycosylated, polypeptide chain containing amino acids 2-393 having a molecular mass of 47 kDa. MAP2K1 is fused to a polyhistidine tag and is purified by proprietary chromatographic techniques.

Appearance:
Sterile Filtered clear solution.

Formulation:
MEK1 is supplied at a concentration of in 40mM Tris, pH-8, 0.15M NaCl, 0.27M sucrose, 1mM DTT, 0.2mM PMSF, 1mM benzamidine, 0.1mM sodium vanadate and 0.03% Brij-35.

Purity:
Greater than 90% as determined by SDS-PAGE.

Stability:
Store at 4°C if entire vial will be used within 1-2 weeks. Store frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

Biological Activity:
~125-175 units/mg. One unit of MEK1 activity transfers 1 nmol of phosphate to ERK1/2 peptide per minute at 30°C in a reaction containing 100µM ATP. Recombinant active MEK1 also phosphorylates ERK1, ERK2, and GSK-3?. Kinase activity may vary depending on the substrate and reaction conditions. The optimal concentration should be determined for each specific application.