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MAPKSP1 Human

Catalog #:PRPS-041

For research use only.

Description:MAPKSP1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 144 amino acids (1-124a.a.) and having a molecular mass of 15.8kDa.MAPKSP1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:MAPBP, MP1, MAPK Scaffold Protein 1, Interacting Protein 1, MEK binding partner 1, Mitogen-Activated Protein Kinase kinase 1.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MADDLKRFLY KKLPSVEGLH AIVVSDRDGV PVIKVANDNA PEHALRPGFL STFALATDQG SKLGLSKNKS IICYYNTYQV VQFNRLPLVV SFIASSSANT GLIVSLEKEL APLFEELRQV VEVS

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:
The MAPKSP1 protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 5mM DTT, 100mM NaCl and 20% glycerol.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
MAPKSP1 is a scaffold protein which operates in the extracellular signal-regulated kinase (ERK) cascade. MAPKSP1 protein is restricted to late endosomes by the mitogen-activated protein-binding protein-interacting protein, and binds specifically to MAP kinase kinase MAP2K1/MEK1, MAP kinase MAPK3/ERK1, and MAP kinase MAPK1/ERK2.

Storage:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.Please avoid freeze thaw cycles.

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