

## MAPK13 Human

**Description:** MAPK13 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 385 amino acids (1-365) and having a molecular mass of 44.2 kDa. MAPK13 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PKPS-280

For research use only.

**Synonyms:** Mitogen-activated protein kinase 13, PRKM13, SAPK4, p38delta, Mitogen-activated protein kinase p38 delta, Stress-activated protein kinase 4, MAP kinase 13, MAP kinase p38 delta, EC 2.7.11.24.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHH SSGLVPRGSH MSLIRKKGFY KQDVNKTAWELPKTYVSPTH VGSGAYGSVC SAIDKRSGEK VAIKKLSRPF QSEIFAKRAY RELLLLKHMQHENVIGLLDV FTPASSLRNF YDFYLVMPFM QTDLQKIMGM EFSEEKIYQL VYQMLKGLKYIHSAGVVHRD LKPGNLAVNE DCELKILDFG LARHADAEMT GYVVTWRWYRA PEVILSWMHYNQTVDIWSVG CI

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

### Formulation:

The MAPK13 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 20% glycerol.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

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

### Introduction:

MAPK13 belongs to the MAP kinase family. MAP kinases perform as an incorporation point for various biochemical signals. MAP kinases take part in an extensive range of cellular courses like differentiation, development, transcription regulation and proliferation. MAPK13 is phosphorylated by MKK6 as a reaction to cytokines and cellular stresses.

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