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MAPK12 Human

Catalog #:PKPS-022

For research use only.

Description:MAPK12 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 387 amino acids (1-367 a.a.) and having a molecular mass of 44.1kDa.MAPK12 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms: Mitogen-activated protein kinase 12, SAPK3, ERK6, PRKM12, Extracellular signal-regulated kinase 6, Mitogen-activated protein kinase p38 gamma, Stress-activated protein kinase 3, MAP kinase 12, MAP kinase p38 gamma, MAPK 12, ERK3, p38gamma, EC 2.7.11.24, E

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MSSPPPARSG FYRQEVTKTA WEVRAVYRDL QPVGSGAYGA VCSAVDGRTG AKVAIKKLYR PFQSELFAKR AYRELRLLKH MRHENVIGLL DVFTPDETLD DFTDFYLVMP FMGTDLGKLM KHEKLGEDRI QFLVYQMLKG LRYIHAAGII HRDLKPGNLA VNEDCELKIL DFGLARQADS EMTGYVVTRW YRAPEVILNW MRYTQTVDIW SV

Purity: Greater than 95.0% as determined by SDS-PAGE analysis.

Formulation:
MAPK12 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 1mM DTT and 10% 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 drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
MAPK12 is a member of the MAP kinase family. MAPK12 acts as a signal transducer during differentiation of myoblasts to myotubes. p38 proteins utilizes magnesium as a cofactor to catalyze the ATP-dependent phosphorylation of target proteins and is produced in several regions all over the body with common expression patterns in heart.

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