
Product Data Sheet

Product Name: MAPK12 Human

Cat. No.: GP22553

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

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; EC 2.7.11.

Amino Acid Sequence MGSSHHHHHH SGLVPRGSH MSSPPPARSG FYRQEVTKTA WEVRAVYRDL QPVGSGAYGA VCSAVDGRGT AKVAIKKLYR PFQSELFAR AYRELRLLKH MRHENVIGLL DVFTPDETLD DFTDFYLVMP FMGTDLGKLM KHEKLGEDRI QFLVYQMLKG LRYIHAAGII HRDLKPGNLA VNEDCELKIL DFGLARQADS EMTGYVVTRW YRAPEVILNW MRYTQTVDIW SVGCIMAEMI TGKTLFKGSD HLDQLKEIMK VTGTPPAEFV QRLQSDEAKN YMKGLPELEK KDFASILTNA SPLAVNLLEK MLVLDAEQRV TAGEALAHYPY FESLHDTETE PQVQKYDDSF DDVDRTLDEW KRVTYKEVLS FKPPRQLGAR VSKETPL.

Formulation MAPK12 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 1mM DTT and 10% glycerol.

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.

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%

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA