

MAPK3 Human, His

Description: MAPK3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 399 amino acids (1-379 a.a.) and having a molecular mass of 45.2 kDa. The MAPK3 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: PKPS-272

For research use only.

Synonyms: ERK1, HS44KDAP, HUMKER1A, P44ERK1, P44MAPK, PRKM3, MAP kinase3.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MAAAAAQGGG GGEPRRTEGV
GPGVPGEVEM VKGQPFVDGP RYTQLQYIGE GAYGMVSSAY DHVRKTRVAIKKISPFHQ
YCQRTLREIQ ILLRFRHENV IGIRDILRAS TLEAMRDVYI VQDLMETDLY KLLKSQQLSN
DHICYFLYQI LRGLKYIHSANVLHRDLKPS NLLINTTCDL KICDFGLARI ADPEHDHTGF
LTEYVATRWEY RAPE

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The MAPK3 0.5mg/ml protein solution contains 20 mM Tris-HCl buffer pH-8, 1mM DTT, 0.1M NaCl and 20% glycerol.

Stability:

MAPK3 although stable 4C for 4 weeks, should be stored desiccated below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolabs 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:

MAPK3 is a part of the MAP kinase family which is recognized as extracellular signal-regulated kinases (ERKs), that function in a signaling cascade that controls various cellular procedures such as proliferation, differentiation, and cell cycle progression in reaction to a variety of extracellular signals. MAPK3 is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets.

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