9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-3057: MAPKAPK3 Recombinant Protein

Alternative Name : 3PK,MAPKAP-K3,MAPKAP3,MAPKAPK-3,MK-3,MAP kinase-activated protein kinase 3,MAPK-activated protein kinase 3,MAPKAP kinase 3,MAPKAPK-3,MK-3,MAPKAPK3.

Description

Source : E.coli. MAPKAPK3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 405 amino acids (1-382 a.a) and having a molecular mass of 45.4kDa. MAPKAPK3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. MAP kinase-activated protein kinase 3 (MAPKAPK3) is involved in inflammatory Reaction by regulating tumor necrosis factor (TNF) and IL6 production post-transcriptionally. MAPKAPK3 phosphorylates AU-rich elements (AREs)-binding proteins, like TTP/ZFP36, leading to control of stability and translation of TNF and IL6 mRNAs. Phosphorylation of TTP/ZFP36 (a major post-transcriptional regulator of TNF), promotes its binding to 14-3-3 proteins and reduces its ARE mRNA affinity resulting in inhibition of dependent degradation of ARE-containing transcript. MAPKAPK3 is activated by growth inducers and stress stimulation of cells.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	MAPKAPK3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 1mM DTT.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMDGETAE EQGGPVPPPV APGGPGLGGA PGGRREPKKY AVTDDYQLSK QVLGLGVNGK VLECFHRRTG QKCALKLLYD SPKARQEVDH HWQASGGPHI VCILDVYENM HHGKRCLLII MECMEGGELF SRIQERGDQA FTEREAAEIM RDIGTAIQFL HSHNIAHRDV KPENLLYTSK EKDAVLKLTD FGFAKETTQN ALQTPCYTPY YVAPEVLGPE KYDKSCDMWS LGVIMYILLC GFPPFYSNTG QAISPGMKRR IRLGQYGFPN PEWSEVSEDA KQLIRLLLKT DPTERLTITQ FMNHPWINQS MVVPQTPLHT ARVLQEDKDH WDEVKEEMTS ALATMRVDYD QVKIKDLKTS NNRLLNKRRK KQAGSSSASQ GCNNQ.