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

32-3068: p38a/SAPK2a Recombinant Protein

Alternative Name :	Mitogen-activated protein kinase 14,EC 2.7.11.24,Mitogen-activated protein kinase p38 alpha,MAP kinase p38 alpha,Cytokine suppressive anti-inflammatory drug-binding protein,CSAID-binding protein,CSBP,MAX-interacting protein 2,MAP kinase MXI2,

Description

Source : Escherichia Coli. p38/SAPK2 is a non-glycosilated polypeptide produced by phosphorylation of the purified p38 alpha with MKK6 having a molecular mass of 42.7 kDa. p38a/SAPK2 is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various environmental stresses and proinflammatory cytokines. The activation requires its phosphorylation by MAP kinase kinases (MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1/TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response. Four alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

Product Info

Amount :	5 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	p38/SAPK2 is supplied 1.19mg/ml in 25mM Tris-HCl, 150mM NaCl, 1mM DTT, 50% glycerol, pH 8.5.
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. Avoid multiple freeze-thaw cycles.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.