

Product datasheet

Recombinant human p38 protein ab82188

概述

产品名称	重组人p38蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli
氨基酸序列	
种属	Human
分子量	43 kDa including tags
氨基酸	1 to 360
标签	His tag C-Terminus

技术指标

Our [Abpromise guarantee](#) covers the use of **ab82188** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

形式	Liquid
补充说明	ab82188 contains no detectable proteases, DNase and RNase activity.

制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 20% Glycerol, 20mM Tris Cl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0 This product is an active protein and may elicit a biological response in vivo, handle with caution.
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常规信息

功能	Responds to activation by environmental stress, pro-inflammatory cytokines and
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lipopolysaccharide (LPS) by phosphorylating a number of transcription factors, such as ELK1 and ATF2 and several downstream kinases, such as MAPKAPK2 and MAPKAPK5. Plays a critical role in the production of some cytokines, for example IL-6. May play a role in stabilization of EPO mRNA during hypoxic stress. Isoform Mxi2 activation is stimulated by mitogens and oxidative stress and only poorly phosphorylates ELK1 and ATF2. Isoform Exip may play a role in the early onset of apoptosis.

组织特异性

Brain, heart, placenta, pancreas and skeletal muscle. Expressed to a lesser extent in lung, liver and kidney.

序列相似性

Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.

Contains 1 protein kinase domain.

结构域

The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.

翻译后修饰

Dually phosphorylated on Thr-180 and Tyr-182, which activates the enzyme.

Phosphorylated upon DNA damage, probably by ATM or ATR.

细胞定位

Cytoplasm. Nucleus.

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