# abcam

# Product datasheet

# Recombinant Human p38 beta/MAPK11 protein ab45159

## 1 Image

**Description** 

Product name Recombinant Human p38 beta/MAPK11 protein

Purity > 90 % SDS-PAGE.

Expression system Escherichia coli

Protein length Full length protein

Animal free No

Nature Recombinant

**Species** Human

#### **Specifications**

Our **Abpromise guarantee** covers the use of **ab45159** in the following tested applications.

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

Form Liquid

#### **Preparation and Storage**

**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 7.50

Constituents: 0.0418% EGTA, 0.00174% PMSF, 0.385% DTT, 0.79% Tris HCI, 0.00292%

EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride

#### **General Info**

**Function** Kinase involved in a signal transduction pathway that is activated by changes in the osmolarity of

the extracellular environment, by cytokines, or by environmental stress. Phosphorylates

preferentially transcription factor ATF2.

Tissue specificity Highest levels in the brain and heart. Also expressed in the placenta, lung, liver, skeletal muscle,

kidney and pancreas.

1

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

subfamily.

Contains 1 protein kinase domain.

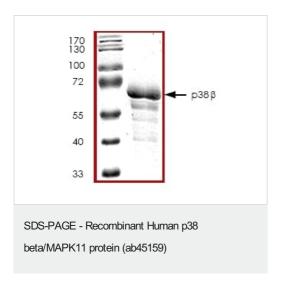
**Domain** The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the

MAP kinases.

Post-translational modifications

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

#### **Images**



Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <a href="https://www.abcam.com/abpromise">https://www.abcam.com/abpromise</a> or contact our technical team.

#### Terms and conditions

· Guarantee only valid for products bought direct from Abcam or one of our authorized distributors