

## Product datasheet

# Recombinant Human p38 delta/MAPK13 protein ab45161

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### Description

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<b>Product name</b>	Recombinant Human p38 delta/MAPK13 protein
<b>Purity</b>	> 80 % SDS-PAGE. Affinity purified.
<b>Expression system</b>	Baculovirus infected Sf9 cells
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human

### Specifications

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Our **Abpromise guarantee** covers the use of **ab45161** in the following tested applications.

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

<b>Form</b>	Liquid
<b>Additional notes</b>	Recombinant full-length human MAPK 13 was expressed by baculovirus in Sf9 insect cells.

### Preparation and Storage

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<b>Stability and Storage</b>	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 HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
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### General Info

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<b>Function</b>	Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating downstream targets. Plays a role in the regulation of protein translation by phosphorylating and inactivating EEF2K.
<b>Tissue specificity</b>	Expressed in testes, pancreas, small intestine, lung and kidney. Abundant in macrophages, also

present in neutrophils, CD4+ T-cells, and endothelial cells.

### Sequence similarities

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

Contains 1 protein kinase domain.

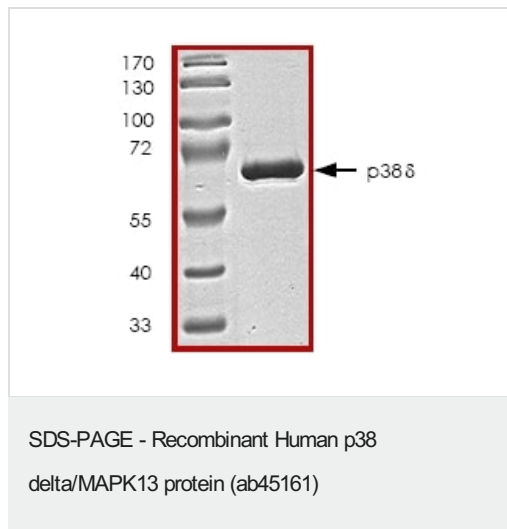
### Domain

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



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