

## p38 alpha/MAPK14 Protein, Human, Recombinant (His &amp; GST)

## General Information

Synonyms:	Mitogen-activated protein kinase 14;Mitogen-activated protein kinase p38 alpha (MAP kinase p38 alpha);MAPK14;SAPK2A;Cytokine suppressive anti-inflammatory drug-binding protein (CSAID-binding protein;CSBP);CSBP2;MXI2;MAX-interacting protein 2;Stress-activated protein kinase 2a (SAPK2a);CSBP;MAP kinase 14;MAPK 14;MAP kinase MXI2;CSBP1;CSPB1
Protein Construction:	2-360 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q16539
Molecular Weight:	72.6 kDa (Predicted)
AA Sequence:	SQERPTFYRQELNKTIWEVPERYQNLSPVGSYGAYGSVCAAFDTKTGLRVAVKLSRPFQSIHAKRTYRELRLKHKMHENVIGLLDVFTPARSLEEFNDVYLVTHLMGADLNNIVKQCQKLTDDHVQFLIYQILRGLKYIHSADIIHRLKPSNLAVNEDCEKILDFGLARHTDDEMTGYVATRWYRAPEIMLNWMHYNQTVDIWSVGCIMAELLTGRTLFPGTDHIDQLKILRLVGTPGAELLKKISSESARNYIQSLTQMPKMNANVFIFGANPLAVDLLEKMLVLDSDKRITAAQALAHAYFAQYHDPDDEPVADPYDQSFESRDLIDEWKSLTYDEVISFVPPPLDQEEMES

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	Not tested.
Formulation:	Lyophilized from PBS, 6% Trehalose, pH 7.4

## Preparation and Storage

## Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 241 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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