

Recombinant Human JNK1/MAPK8 Protein (His tag)



Catalog Number:PDEH100390

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	JNK;JNK-46;JNK1;JNK1A2;JNK21B1/2;PRKM8;SAPK1;SAPK1c
Species	Human
Expression Host	E.coli
Sequence	Met1-Glu350
Accession	P45983
Calculated Molecular Weight	38.4 kDa
Observed molecular weight	38 kDa
Tag	N-His & C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1 such as JUN, JDP2 and ATF2 and thus regulates AP-1 transcriptional activity. In T-cells, JNK1 and JNK2 are required for polarized differentiation of T-helper cells into Th1 cells. Phosphorylates heat shock factor protein 4.

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