abcam

Product datasheet

Recombinant human MLK2 protein ab125562

5 Images

Description

Product name	Recombinant human MLK2 protein
Biological activity	The specific activity of ab125562 was determined to be 48 nmol/min/mg.
Purity	> 85 % Densitometry. Purity was determined to be >85% by densitometry.
Expression system	Baculovirus infected Sf9 cells
Accession	Q02779
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	76 kDa including tags
Amino acids	1 to 446

Specifications

Our **Abpromise guarantee** covers the use of **ab125562** in the following tested applications.

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

Applications	Western blot Functional Studies SDS-PAGE
Form	Liquid
Additional notes	**ab64311** (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity

Preparation and Storage

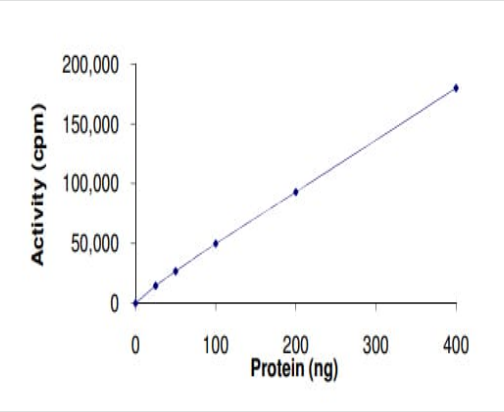
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

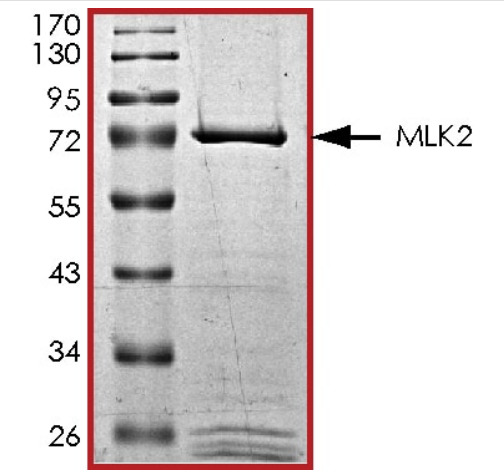
Function	Activates the JUN N-terminal pathway.
Tissue specificity	Expressed in brain and skeletal muscle.
Sequence similarities	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily. Contains 1 protein kinase domain. Contains 1 SH3 domain.
Post-translational modifications	Autophosphorylation on serine and threonine residues within the activation loop plays a role in enzyme activation.

Images



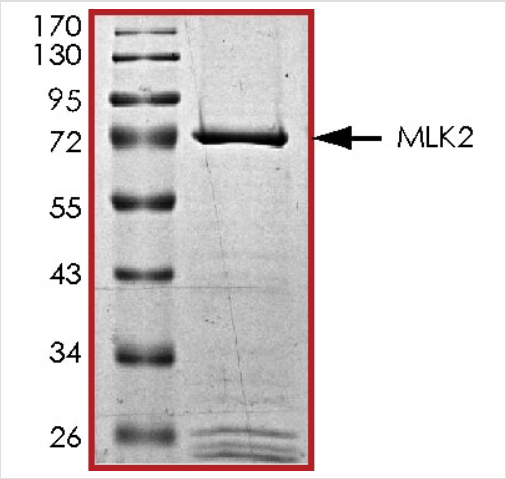
Functional Studies - Recombinant human MLK2 protein (ab125562)

The specific activity of MLK2 (ab125562) was determined to be 50 nmol/min/mg as per activity assay protocol



SDS-PAGE - Recombinant human MLK2 protein (ab125562)

SDS PAGE analysis of ab125562

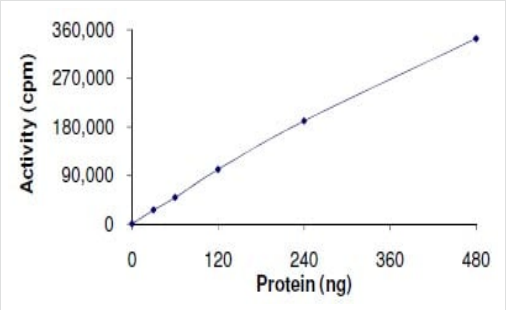


SDS PAGE analysis of ab125562

SDS-PAGE - Recombinant human MLK2 protein (ab125562)

SDS-PAGE analysis of ab125562.

SDS-PAGE - Recombinant human MLK2 protein (ab125562)



The specific activity of ab125562 was determined to be 48 nmol/min/mg by Kinase Assay.

Functional Studies - Recombinant human MLK2 protein (ab125562)

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