

Recombinant human Mark3 protein ab60012

4 Images

Description

Product name	Recombinant human Mark3 protein
Biological activity	Specific activity 722 nmol/min/mg.
Purity	> 75 % Densitometry. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Specifications

Our **Abpromise guarantee** covers the use of **ab60012** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE
Form	Liquid
Additional notes	ab204854 (Cdc25C peptide) 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 -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function	Involved in the specific phosphorylation of microtubule-associated proteins for tau, MAP2 and
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MAP4. Phosphorylates CDC25C on 'Ser-216'.

Tissue specificity

Ubiquitous.

Sequence similarities

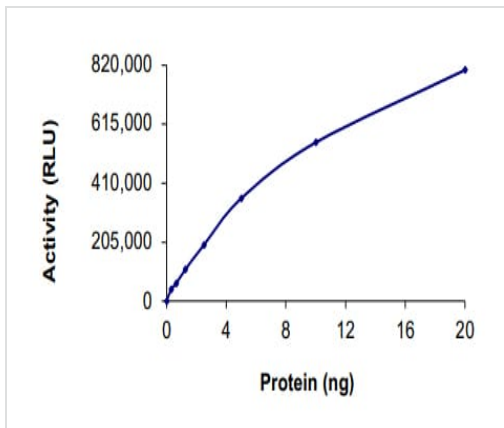
Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. MARK subfamily.

Contains 1 KA1 (kinase-associated) domain.

Contains 1 protein kinase domain.

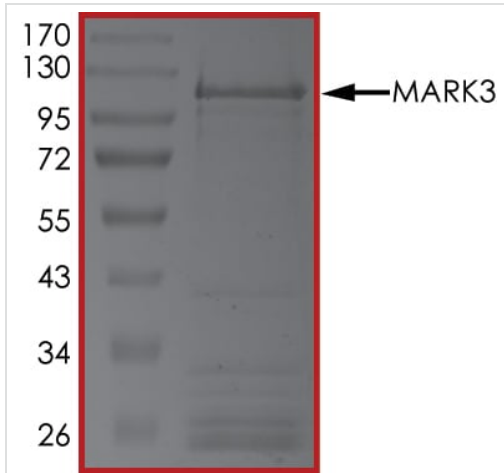
Contains 1 UBA domain.

Images



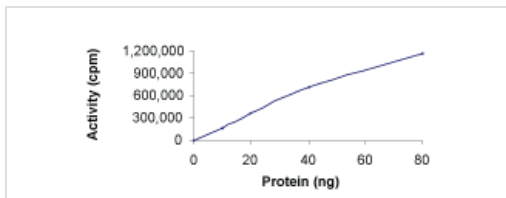
The specific activity of Mark3 (ab60012) was determined to be 293.5 nmol/min/mg as per activity assay protocol and was equivalent to 830 nmol/min/mg as per radiometric assay

Functional Studies - Recombinant human Mark3 protein (ab60012)



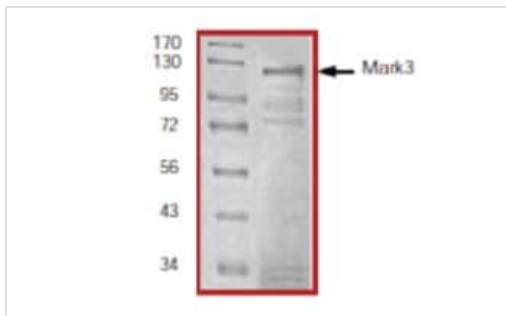
SDS PAGE analysis of ab60012

SDS-PAGE - Recombinant human Mark3 protein (ab60012)



Sample Kinase Activity Plot.

Functional Studies - Recombinant human Mark3 protein (ab60012)



ab60012 on SDS-PAGE. The extra bands are thought to be truncated MARK3 and tag.

SDS-PAGE - Recombinant human Mark3 protein (ab60012)

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

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