

Product datasheet

Recombinant Serine/threonine-protein phosphatase
ab188459

2 Images

Description

Product name	Recombinant Serine/threonine-protein phosphatase	
Biological activity	400,000 U/mg. 400 U/μl, where one unit is defined as the amount of enzyme that hydrolyzes 1 nmole of p-nitrophenyl phosphate per minute at 30°C. Unit definition assays are performed with 50mM p-nitrophenyl phosphate in λ-PPase buffer, supplemented with 2 mM MnCl ₂ in a 50 μl reaction.	
Purity	> 95 % SDS-PAGE.	
Expression system	Escherichia coli	
Accession	P03772	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Bacteriophage lambda	
Sequence	MRYYEKIDGSKYRNWVVGDLHGCTNLMNKLDTIGFDNKK DLLISVGDL VDRGAENVECLELITFPWFRAVRGNHEQMMIDGLSERGN VNHWLLNGGGW FFNLDYDKEILAKALAHKADELPLIELVSKDKKYVICHADY PFDEYEFG KPVDHQQVWNRERISNSQNGVKEIKGADTFIFGHTPAVK PLKFANQMY IDTGAVFCGNLTLIQVQGEA	
Predicted molecular weight	25 kDa	
Amino acids	1 to 221	
Additional sequence information	From Bacteriophage lambda	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab188459** in the following tested applications.

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

Applications	SDS-PAGE
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Functional Studies

Form

Liquid

Additional notes

ab188459 can be used to release phosphate groups from phosphorylated serine, threonine, tyrosine and histidine residues in proteins

Preparation and Storage

Stability and Storage

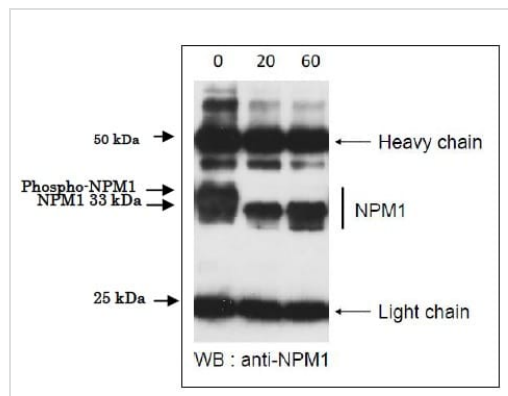
Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.50

Constituents: 1.19% HEPES, 0.58% Sodium chloride, 0.03% DTT, 0.001% Manganese chloride, 0.002% EDTA, 50% Glycerol, 0.01% Brij

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

Images

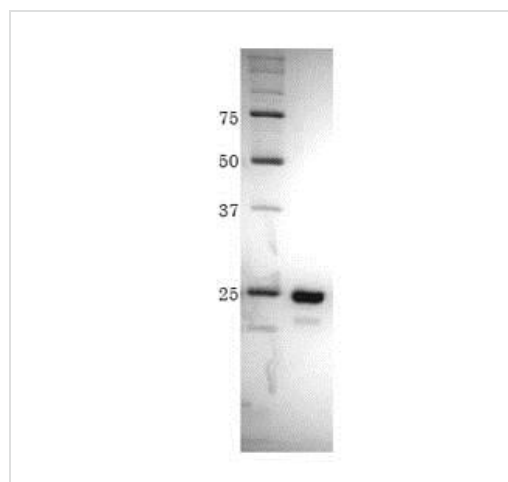


Immunoprecipitation - Recombinant

Serine/threonine-protein phosphatase (ab188459)

NPM1 protein in HeLa cells treated with Nocodazole was lysed, and immunoprecipitated with ab188459. The precipitate was suspended in 50 µl of

λ protein phosphatase reaction buffer, with 5 µl of the protein phosphatase and incubated at 30°C. The reaction products were analyzed by western blotting.



SDS-PAGE - Recombinant Serine/threonine-protein phosphatase (ab188459)

SDS-PAGE analysis of ab188459.

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

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