

Product datasheet

Recombinant human DUSP3 protein ab168010

1 Image

Description

Product name	Recombinant human DUSP3 protein
Biological activity	Specific Activity: >1750 units/mg. One unit will hydrolyze 1 nmole of p-nitrophenylphosphatate (pNPP) per minute at 37°C, pH 7.5 using 10 mM of substrate.
Purity	> 95 % SDS-PAGE.
Expression system	Escherichia coli
Accession	P51452
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MGSSHHHHHH SSGLVPRGSH MSGSFELSVQ DLNDLLSDGS GCYSLPSQPC NEVTPRIYVG NASVAQDIPK LQKLGITHVL NAAEGRSFMH VNTNANFYKD SGITYLGIKA NDTQEFNLSA YFERAADFID QALAQKNGRV LVHCREGYSR SPTLVIAYLM MRQKMDVKSA LSIVRQNREI GPNDGFLAQL CQLNDRLAKE GKLKP</p>
Predicted molecular weight	23 kDa including tags
Amino acids	1 to 185
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab168010** in the following tested applications.

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

Applications	<p>SDS-PAGE</p> <p>Functional Studies</p>
Form	Liquid
Additional notes	Centrifuge the vial prior to opening

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.03% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.32% Tris HCl, 10% 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

Shows activity both for tyrosine-protein phosphate and serine-protein phosphate, but displays a strong preference toward phosphotyrosines. Specifically dephosphorylates and inactivates ERK1 and ERK2.

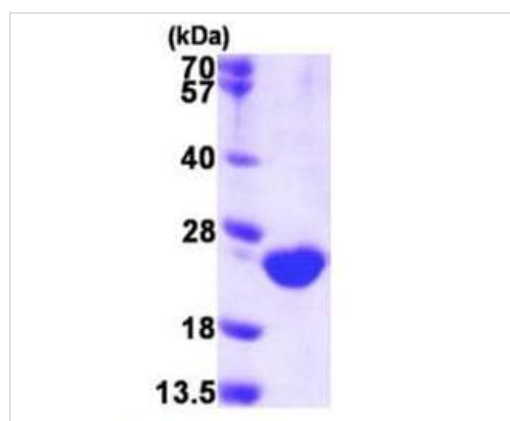
Sequence similarities

Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily. Contains 1 tyrosine-protein phosphatase domain.

Cellular localization

Nucleus.

Images



15% SDS-PAGE analysis of 3 µg ab168010.

SDS-PAGE - Recombinant human DUSP3 protein
(ab168010)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you

- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors