

Product datasheet

Recombinant Human DOK1 protein ab112280

1 Image

Overview

---

<b>Product name</b>	Recombinant Human DOK1 protein
<b>Protein length</b>	Full length protein

Description

---

<b>Nature</b>	Recombinant
<b>Source</b>	Wheat germ
<b>Amino Acid Sequence</b>	
<b>Accession</b>	<a href="#">Q99704</a>
<b>Species</b>	Human
<b>Molecular weight</b>	79 kDa
<b>Amino acids</b>	1 to 481
<b>Tags</b>	GST tag N-Terminus

Specifications

---

Our [Abpromise guarantee](#) covers the use of **ab112280** in the following tested applications.

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

<b>Biological activity</b>	useful for Antibody Production and Protein Array
<b>Applications</b>	Western blot SDS-PAGE ELISA Peptide Array
<b>Form</b>	Liquid
<b>Additional notes</b>	Best use within three months from the date of receipt of this protein.useful for Antibody Production and Protein Array

Preparation and Storage

---

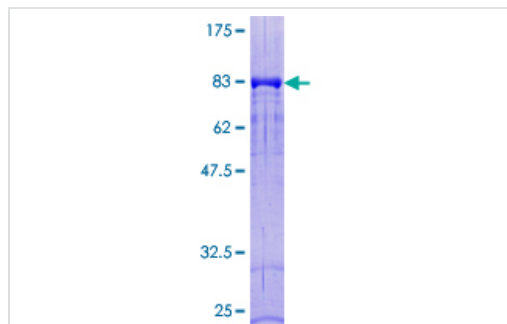
<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00
------------------------------	---

Constituents: 0.79% Tris HCl, 0.31% Glutathione  
Note: Reduced glutathione

## General Info

<b>Function</b>	DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK1 appears to be a negative regulator of the insulin signaling pathway. Modulates integrin activation by competing with talin for the same binding site on ITGB3.
<b>Tissue specificity</b>	Expressed in pancreas, heart, leukocyte and spleen. Expressed in both resting and activated peripheral blood T-cells.
<b>Sequence similarities</b>	Belongs to the DOK family. Type A subfamily. Contains 1 IRS-type PTB domain. Contains 1 PH domain.
<b>Domain</b>	The PTB domain mediates receptor interaction.
<b>Post-translational modifications</b>	Constitutively tyrosine-phosphorylated. Phosphorylated on tyrosine residues by the insulin receptor kinase. Results in the negative regulation of the insulin signaling pathway.
<b>Cellular localization</b>	Cytoplasm and Cytoplasm > perinuclear region.

## Images



12.5% SDS-PAGE Stained with Coomassie Blue with recombinant protein.

SDS-PAGE - Recombinant Human DOK1 protein  
(ab112280)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## 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