

Product datasheet

Recombinant Human DOK1 protein ab112280

1 Image

Overview

Product name	Recombinant Human DOK1 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Accession	Q99704
Species	Human
Molecular weight	79 kDa
Amino acids	1 to 481
Tags	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.

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

Preparation and Storage

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

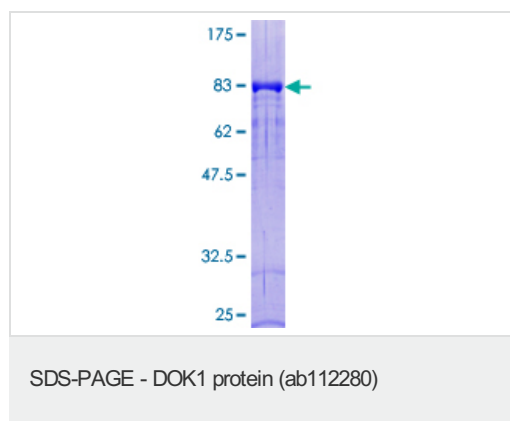
Constituents: 0.79% Tris HCl, 0.31% Glutathione

Note: Reduced glutathione

General Info

Function	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.
Tissue specificity	Expressed in pancreas, heart, leukocyte and spleen. Expressed in both resting and activated peripheral blood T-cells.
Sequence similarities	Belongs to the DOK family. Type A subfamily. Contains 1 IRS-type PTB domain. Contains 1 PH domain.
Domain	The PTB domain mediates receptor interaction.
Post-translational modifications	Constitutively tyrosine-phosphorylated. Phosphorylated on tyrosine residues by the insulin receptor kinase. Results in the negative regulation of the insulin signaling pathway.
Cellular localization	Cytoplasm and Cytoplasm > perinuclear region.

Images



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

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