

Recombinant Human DOK2 293 Cell Lysate

Cat. No. DOK2-6847HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for docking protein 2, 56kDa (DOK2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

DOK2 docking protein 2, 56kDa [Homo sapiens]

Official Symbol

DOK2

Synonyms

DOK2; docking protein 2, 56kDa; docking protein 2, 56kD; docking protein 2; Dok 2; p56dok 2; p56(dok-2); downstream of tyrosine kinase 2; p56DOK; p56dok-2;

Gene ID

9046

mRNA Refseq

NM_003974

Protein Refseq

NP_003965

MIM

604997

UniProt ID

O60496

**Chromosome
Location**

8p21.3

Pathway

Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Hemostasis, organism-specific biosystem; IL-4 signaling Pathway, organism-specific biosystem; IL2-mediated signaling events, organism-specific biosystem; IL4-mediated signaling events,

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organism-specific biosystem;

Function

insulin receptor binding; receptor signaling protein activity; transmembrane receptor protein tyrosine kinase adaptor activity;

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