

Recombinant Human DOK1 293 Cell Lysate

Cat. No. DOK1-6848HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for docking protein 1, 62kDa (downstream of tyrosine kinase 1) (DOK1) 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	DOK1 docking protein 1, 62kDa (downstream of tyrosine kinase 1) [Homo sapiens]
Official Symbol	DOK1
Synonyms	DOK1; docking protein 1, 62kDa (downstream of tyrosine kinase 1); docking protein 1, 62kD (downstream of tyrosine kinase 1); docking protein 1; p62dok; pp62; p62(dok); Downstream of tyrosine kinase 1; docking protein 1 (downstream of tyrosine kinase 1); P62DOK; MGC117395; MGC138860;
Gene ID	1796
mRNA Refseq	NM_001197260
Protein Refseq	NP_001184189
MIM	602919
UniProt ID	Q99704
Chromosome Location	2p13
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; BCR signaling pathway, organism-specific biosystem; Fc-epsilon receptor I signaling in mast cells, organism-specific biosystem; IRS activation, organism-specific biosystem; IRS-mediated signalling, organism-specific biosystem; IRS-related events, organism-specific biosystem; Insulin Pathway, organism-specific biosystem;

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Function

insulin receptor binding; receptor signaling protein activity;

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