Recombinant Human DOK1 293 Cell Lysate

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

SPECIFICATION

Product Overview	
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.

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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	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-

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	mediated signalling, organism-specific biosystem; IRS-related events, organism-specific biosystem; Insulin Pathway, organism-specific biosystem;
Function	insulin receptor binding; receptor signaling protein activity;

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