

Recombinant Human NCK2 293 Cell Lysate

Cat. No. NCK2-3945HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for NCK adaptor protein 2 (NCK2), transcript variant 1 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	NCK2 NCK adaptor protein 2 [Homo sapiens]
Official Symbol	NCK2
Synonyms	NCK2; NCK adaptor protein 2; cytoplasmic protein NCK2; NCKbeta; SH2/SH3 adaptor protein NCK-beta; growth factor receptor-bound protein 4; noncatalytic region of tyrosine kinase, beta; GRB4;
Gene ID	8440
mRNA Refseq	NM_003581
Protein Refseq	NP_003572
MIM	604930
UniProt ID	O43639
Chromosome Location	2q12
Pathway	Activation of Rac, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Downstream signal transduction, organism-

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	specific biosystem;
Function	cytoskeletal adaptor activity; protein binding; receptor signaling complex scaffold activity;