Recombinant Human NOXO1 293 Cell Lysate

Cat. No. NOXO1-3748HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for NADPH oxidase organizer 1 (NOXO1), transcript variant a 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	NOXO1 NADPH oxidase organizer 1 [Homo sapiens]
Official Symbol	NOXO1
Synonyms	NOXO1; NADPH oxidase organizer 1; P41NOXA; P41NOXB; P41NOXC; SH3PXD5; SNX28; Nox organizer 1; nox-organizing protein 1; regulatory protein P41NOX; NADPH oxidase regulatory protein; SH3 and PX domain-containing protein 5; P41NOX; MGC20258;
Gene ID	124056
mRNA Refseq	NM_144603
Protein Refseq	NP_653204
MIM	611256
UniProt ID	Q8NFA2
Chromosome Location	16p13.3
Pathway	RAC1 signaling pathway, organism-specific biosystem;
Function	enzyme binding; phosphatidylinositol binding; phospholipid binding; protein binding;

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	superoxide-generating NADPH oxidase activator activity;

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