Recombinant Human NPLOC4 293 Cell Lysate

Cat. No. NPLOC4-3740HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for nuclear protein localization 4 homolog (S. cerevisiae) (NPLOC4) 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	NPLOC4 nuclear protein localization 4 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	NPLOC4
Synonyms	NPLOC4; nuclear protein localization 4 homolog (S. cerevisiae); nuclear protein localization protein 4 homolog; FLJ20657; KIAA1499; NPL4; FLJ23742;
Gene ID	55666
mRNA Refseq	NM_017921
Protein Refseq	NP_060391
MIM	606590
UniProt ID	Q8TAT6
Chromosome Location	17qter
Pathway	HRD1/SEL1 ERAD complex, organism-specific biosystem; HRD1/SEL1 ERAD complex, conserved biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem; p97-Ufd1-Npl4 complex, organism-specific biosystem;

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Function	metal ion binding; protein binding; zinc ion binding;

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