Recombinant Human CNOT4 293 Cell Lysate

Cat. No. CNOT4-7400HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for CCR4-NOT transcription complex, subunit 4 (CNOT4), transcript variant 2 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	CNOT4 CCR4-NOT transcription complex, subunit 4 [Homo sapiens]
Official Symbol	CNOT4
Synonyms	CNOT4; CCR4-NOT transcription complex, subunit 4; NOT4; CCR4-NOT transcription complex subunit 4; CLONE243; NOT4H; CCR4-associated factor 4; E3 ubiquitin-protein ligase CNOT4; potential transcriptional repressor NOT4Hp; NOT4 (negative regulator of transcription 4, yeast) homolog;
Gene ID	4850
mRNA Refseq	NM_001008225
Protein Refseq	NP_001008226
MIM	604911
UniProt ID	O95628
Chromosome Location	7q22-qter
Pathway	Deadenylation of mRNA, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem; Gene Expression, organism-specific biosystem; RNA degradation, organism-specific biosystem; RNA degradation,

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	conserved biosystem;
Function	RNA binding; ligase activity; metal ion binding; nucleotide binding; protein binding; ubiquitin-protein ligase activity; zinc ion binding;

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