

# Recombinant Human NUP37 293 Cell Lysate

**Cat. No.** NUP37-3631HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

**Species** Human

**Source** HEK293

### Description

Antigen standard for nucleoporin 37kDa (NUP37) 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.

### Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

|                            |                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | NUP37 nucleoporin 37kDa [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b>     | NUP37                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>            | NUP37; nucleoporin 37kDa; nucleoporin Nup37; FLJ22618; MGC5585; nup107-160 subcomplex subunit Nup37; p37;                                                                                                                                                                                                                                                                                                |
| <b>Gene ID</b>             | 79023                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>         | NM_024057                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>      | NP_076962                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>MIM</b>                 | 609264                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>          | Q8NFH4                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Chromosome Location</b> | 12q23                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Pathway</b>             | Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; DNA Replication, organism-specific biosystem; Disease, organism-specific biosystem; Export of Viral Ribonucleoproteins from Nucleus, organism-specific biosystem; |

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**Function**

protein binding;

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