

## Recombinant Human WHSC2 cell lysate

**Cat. No.** WHSC2-1932HCL    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

**Species** Human

#### Description

This gene is expressed ubiquitously with higher levels in fetal than in adult tissues. It encodes a protein sharing 93% sequence identity with the mouse protein. Wolf-Hirschhorn syndrome (WHS) is a malformation syndrome associated with a hemizygous deletion of the distal short arm of chromosome 4. This gene is mapped to the 165 kb WHS critical region, and may play a role in the phenotype of the WHS or Pitt-Rogers-Danks syndrome. The encoded protein is found to be capable of reacting with HLA-A2-restricted and tumor-specific cytotoxic T lymphocytes, suggesting a target for use in specific immunotherapy for a large number of cancer patients. This protein has also been shown to be a member of the NELF (negative elongation factor) protein complex that participates in the regulation of RNA polymerase II transcription elongation.

**Size** 100 ul

#### Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

#### Applications

Western Blot;

### GENE INFORMATION

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|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | WHSC2 Wolf-Hirschhorn syndrome candidate 2 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Official Symbol</b>     | WHSC2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>            | WHSC2; Wolf-Hirschhorn syndrome candidate 2; negative elongation factor A; NELF A; wolf-Hirschhorn syndrome candidate 2 protein; NELFA; NELF-A; P/OKcl.15; FLJ10442; FLJ25112;                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene ID</b>             | 7469                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>         | NM_005663                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>      | NP_005654                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>                 | 606026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | Q9H3P2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Chromosome Location</b> | 4p16.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Pathway</b>             | Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific biosystem; Disease, organism-specific biosystem; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem; Formation of HIV-1 elongation complex in the absence of HIV-1 Tat, organism-specific biosystem; Formation of RNA Pol II elongation complex, organism-specific biosystem; Formation of the Early Elongation Complex, organism-specific biosystem; Formation of the HIV-1 Early Elongation Complex, organism-specific biosystem; |