

Recombinant Human WHSC2 cell lysate

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

SPECIFICATION

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

Gene Name

WHSC2 Wolf-Hirschhorn syndrome candidate 2 [Homo sapiens]

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Official Symbol	WHSC2
Synonyms	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;
Gene ID	7469
mRNA Refseq	NM_005663
Protein Refseq	NP_005654
MIM	606026
UniProt ID	Q9H3P2
Chromosome Location	4p16.3
Pathway	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;

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