

Recombinant Human Wolf-Hirschhorn Syndrome Candidate 2, His-tagged

Cat. No. WHSC2-3397H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human WHSC2 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 60.6 kDa (559aa).
Species	Human
Source	E.coli
Description	WHSC2, also known as NELF-A, is a protein factor required for DRB-sensitive transcription. This protein is one of the five components of the multisubunit NELF complex that cooperates with DSIF to repress RNA polymerase II elongation. Wolf-Hirschhorn syndrome is a multiple malformation syndrome characterized by mental and developmental defects resulting from a hemizygous deletion of the distal short arm of chromosome 4 (4p16.3).
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 1mM EDTA, 20% glycerol.
Purity	> 85% by SDS - PAGE.
Concentration	0.25 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MPGQRRALSP KMASMRESDT GLWLHNKLGA TDELWAPPSI ASLLTAAVID NIRLCFHGLS SAVKCLKLLG TLHLPRRTVD

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EMKGALMEII QLASLSDPW VLMVADILKS FPDTGSLNLE LEEQNPVQD
 ILGELREKVG ECEASAMLPL ECQYLNKNAL TTLAGPLTPP VKHFQLKRKP
 KSATLRAELL QKSTETAQQL KRSAGVPFHA KGRGLLRKMD TTTPLKGIPK
 QAPFRSPTAP SVFSPTGNRT PIPPSRTLRL KERGVLKLDI SELDMVGAGR
 EAKRRRKTLA AEVVEKPAKE ETVVENATPD YAAGLVSTQK LGSLNNEPAL
 PSTSYLPSTP SVVPASSYIP SSETPPAPSS REASRPPEEP SAPSPTLPAQ
 FKQRAPMYNS GLSPATPTPA APTSPLTPTT PPAVAPTTQT PPVAMVAPQT
 QAPAQQQPKK NLSLTREQMF AAQEMFKTAN KVTREKALI LGFMAGSREN
 PCQEQGDVIQ IKLSEHTEDL PKADGGGSTT MLVDTVFEMN YATGQWTRFK
 KYKPMTNVS.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways

Gene Expression; HIV Infection; Transcription

GENE INFORMATION

Gene Name

WHSC2 Wolf-Hirschhorn syndrome candidate 2 [Homo sapiens]

Synonyms

Wolf-Hirschhorn syndrome candidate 2;NELFA; NELF-A; FLJ10442; FLJ25112;
 P/OKcl.15; WHSC2; negative elongation factor A; OTTHUMP00000211580; wolf-
 Hirschhorn syndrome candidate 2 protein; Wolf-Hirschhorn syndrome candidate 2
 protein

Gene ID

7469

mRNA Refseq

NM_005663

Protein Refseq

NP_005654

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MIM	606026
UniProt ID	Q9H3P2
Chromosome Location	4p16.3

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