

# Recombinant human WHSC2/NELFA protein

Catalog Number: ATGP0856

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-539aa

**UniProt No.**

Q9H3P2

**NCBI Accession No.**

NP\_005654

**Alternative Names**

Wolf-Hirschhorn syndrome candidate 2, NELF-A, NELFA, P/OKcl.15, Negative elongation factor A

## PRODUCT SPECIFICATION

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**Molecular Weight**

60.6 kDa (559aa)

**Concentration**

0.25mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 5mM DTT, 1mM EDTA, 20% glycerol

**Purity**

&gt; 85% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**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). Recombinant human WHSC2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

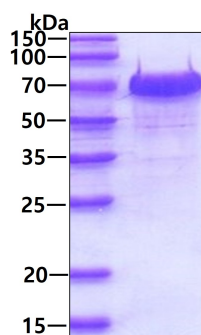
<MGSSHHHHHH SGLVPRGSH> MPGQRRLSP KMASMRESDT GLWLHNKLG A TDELWAPPSI ASLLTAAVID  
NIRLCFHGLS SAVKLLKLLG TLHLPRRTVD EMKGALMEII QLASLSDPW VLMVADILKS FPDTGSLNLE LEEQNPVQD  
ILGELREKVG ECEASAMLPL ECQYLNKNAL TLAGPLTPP VKHFQKRRK K SATLRAELL QKSTETAQQL KRSAGVPFHA  
KGRGLLRKMD TTTPLKGIPK QAPFRSPTAP SVFSPTGNRT PIPPSRTLLR KERGKLLDI SELDMVGAGR EAKRRRKTLD  
AEVVEKPAKE ETVVENATPD YAAGLVSTQK LGSLNNEPAL PSTSYLPSTP SVVPASSYIP SSETPPAPSS REASRPPEEP  
SAPSPTLPAQ FKQRAPMYNS GLSPATPTPA APTSPLPTT PPAVAPTTQT PPVAMVAPQT QAPAQQPKK NLSLTREQMF  
AAQEMFKTAN KVTRPEKALI LGFMAGSREN PCQEQGDVIQ IKLSEHTEDL PKADGQGSTT MLVDTVFEFN YATGQWTRFK  
KYKPMTNVS

## General References

Care A., et al. (2007) Nat Med. 13(5):613-8.  
Mariotti M., et al. (2000) FEBS Lett. 487(2):166-70.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.