

Recombinant human WHSC2/NELFA protein

Catalog Number: ATGP0856

PRODUCT INFORMATION

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

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

> 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

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

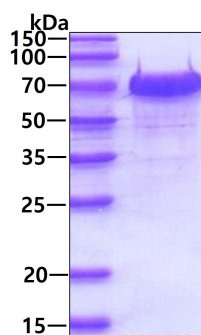
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ILGELREKVG ECEASAMLPL ECQYLNKNAL TLAGPLTPP VKHFQKRRK K SATLRAELL QKSTETAQQL KRSAGVPFHA
KGRGLLRKMD TTTPLKGIPK QAPFRSPTAP SVFSPTGNRT PIPPSRTLLR KERGVKLLDI SELDMVGAGR EAKRRRKTLD
AEVVEKPAKE ETVVENATPD YAAGLVSTQK LGSLNNEPAL PSTSYLPSTP SVVPASSYIP SSETPPAPSS REASRPPEEP
SAPSPTLPAQ FKQRAPMYNS GLSPATPTPA APTSPLPTT PPAVAPTTQT PPVAMVAPQT QAPAQQQPKK NLSLTREQMF
AAQEMFKTAN KVTRPEKALI LGFMAGSREN PCQEQGDVIQ IKLSEHTEDL PKADGQGSTT MLVDTV FEMN YATGQWTRFK
KYPMTNVS

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



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