

WHSC2, 1-539aa, Human, His tag, E.coli

Cat.NO.: TP04497

3th Edition

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

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.

Form:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 1mM EDTA, 20% glycerol

Molecular Weight:60.6 kDa (559aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMPGQRRALSPKMASMRESDTGLWLHNKLGATDELWAPPSIASLLTAAVIDNIRLC
FHGLSSAVKLLKLLGLHLPRRTVDEMKGALMEIIQLASLSDPWVLMVADILKSFPDTGSLNLEEEQNPNVQDILG
ELREKVGEEASAMLPLECYLNKNALTTLAGPLTPPVKHFQKLRKPKSATLRAELLQKSTETAQQLKRSAGVPFH
AKGRGLLRKMDTTTLPKGPQAPFRSPTAPSVFSPTGNRTPIPPSRTLLRKERGVKLLDISELDMVGAGREAKRRR
KTLDAEVVEKPAKEETVVENATPDYAAGLVSTQKLGSLNNEPALPSTSYLPSTPSVVPASSYIPSETPPAPSSREA
SRPPEEPSAPSPTLPAQFKQAPMYNSGLSPATPTPAAPTSLPTTPPAVAPTTQTPPVAMVAPQTQAPAQQQP
KKNLSTREQMFAAQEMFKTANKVTRPEKALILGFMAGSRENPCQEQGDVIQIKLSEHTEDLPKADGQGSTTMLVD
TVFEMNYATGQWTRFKKYKPMTNVS

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.