
Product Data Sheet

Product Name: WHSC2 Human
 Cat. No.: GP25013
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Negative elongation factor A; NELF-A; Wolf-Hirschhorn syndrome candidate 2 protein; WHSC2; NELFA; FLJ10442; FLJ25112; P/OKcl.15.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MPGQRRALSP KMASMRESDT GLWLHNKLGATDELWAPPSI ASLLTAAVID NIRLCFHGLS SAVKLLKLLG TLHLPRRTVD EMK GALMEII QLASLDSDPW VLMVADILKS FPDTGSLNLE LEEQNPVQD ILGELREKVG ECEASAMLPL ECQYLNKNAL TTLAGPLTPP VKHFQLKRKP KSATLRAELL QKSTETAQQL KRSAGVPFHA KGRGLLRKMD TTTPLKGIPK QAPFRSPTAP SVFSPTGNRT PIPPSRTLLR KERGVKLLDI SELDMVGAGR EAKRRRKTLD AEVVEKPAKE ETVVENATPD YAAGLVSTQK LGSLNNEPAL PSTSYLPSTP SVVPASSYIP SSETPPAPSS REASRPPEEP SAPSPTLPAQ FKQRAPMYNS GLSPATPTPA APTSPLTPTT PPAVAPTTQT PPVAMVAPQT QAPAQQQPKK NLSLTREQMF AAQEMFKTAN KVTRPEKALI LGFMAGSREN PCQEQQDVIQ IKLSEHTEDL PKADGQGSTT MLVDTV FEMN YATGQWTRFK KYKPMTNVS.		
Formulation	The WHSC2 solution (0.25 mg/ml) 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT, 1mM EDTA and 20% glycerol.		

Introduction

WHSC2 (NELF-A) is a protein factor required for DRB-sensitive transcription. WHSC2 is one of the 5 components of the multisubunit NELF complex which cooperates with DSIF to repress RNA polymerase II elongation. The 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).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

WHSC2 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 559 amino acids (1-539 a.a.) and having a molecular mass of 60.6kDa. The WHSC2 is purified by proprietary chromatographic techniques.

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