

Product datasheet for **SC327912**

WHSC2 (NELFA) (NM_005663) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WHSC2 (NELFA) (NM_005663) Human Untagged Clone
Tag:	Tag Free
Symbol:	WHSC2
Synonyms:	NELF-A; P/OKcl.15; WHSC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC327912 representing NM_005663.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCCGGGGCAGCGCGCGCGCTTCCCCCAAGATGGCGTCCATCGGGGAGAGCGACACGGGCGCTGTGG
CTGCACAACAAGCTGGGGGCCACGGACGAGCTGTGGCGCGCCAGCATCGCGTCCCTGCTCACGGCC
GCGGTTCATCGACAACATCCGTCTCTGCTCCATGGCCTCTCGTCGGCAGTGAAGCTCAAGTTGCTACTC
GGGACGCTGCACCTCCCGCGCCGACGGTGGACGAGATGAAGGGCGCCCTAATGGAGATCATCCAGCTC
GCCAGCTCGACTCGGACCCCTGGGTGCTCATGGTCCGCGACATCTTGAAGTCTTTCCGGACACAGGC
TCGCTTAACCTGGAGCTGGAGGAGCAGAATCCCAACGTTCCAGGATATTTGGGAGAACTTAGAGAAAAG
GTGGGTGAGTGTGAAGCGTCTGCCATGCTGCCACTGGAGTCCAGTACTTGAACAAAACGCCCTGACG
ACCCTCGCGGGACCCCTCACTCCCGGTGAAGCATTTTCAGTTAAAGCGGAAACCAAGAGCGCCACG
CTGCGGGCGGAGCTGCTGCAAGAAGTCCACGGAGACCGCCAGCAGTTGAAGCGGAGCGCCGGGTGCC
TTCCACGCCAAGGGCCGGGGCTGCTGCGGAAGATGGACACCACCACCCACTCAAGGCATCCCGAAG
CAGGGCCCTTCAGAAGCCACGGCGCCAGCGTCTTACGCCCCACAGGGAACCGACCCCATCCCG
CCTTCCAGGACGCTGCTGCGGAAGGAACGAGGTGTGAAGCTGCTGGACATCTCTGAGCTGGATATGTT
GGCGTGGCCGAGAGGCGAAGCGGAGAAGGAACTCTCGATGCGGAGGTGGTGGAGAAGCCGGCCAAG
GAGGAAACGGTGGTGGAGAAGCCACCCCGGACTACGCAGCCGGCTGGTGTCCACGCAGAACTGGG
TCCCTGAACAATGAGCTGCGCTGCCCTCCACGAGTACCTTCCCTCCACGCCAGCGTGGTTCCCGCC
TCCTCTACATCCCAGCTCCGAGACGCCCCAGCCCATCTTCCCGGAAGCCAGCCGCCACCCAGAG
GAGCCCAGCGCCCGAGCCACGTTGCCAGCGCAGTTCAAGCAGCGGGCGCCATGTACAACAGCGGC
CTGAGCCCTGCCACCCACGCCCTGCGGGCCACCTCGCCTTGACACCCACCACACCTCCGGCTGTC
GCCCTACCACTCAGACACCCCGTTGCCATGGTGGCCCGCAGACCCAGGCCCTGCTCAGCAGCAG
CCTAAGAAGAACCTGTCCCTCACGAGAGCAGATGTTGCTGCCAGGAGATGTTCAAGACGGCCAAC
AAAGTCACGCGGCCGAGAAGGCCCTCATCTGGGCTTCATGGCCGGCTCCCGAGAGAACCCTGCCAG
GAGCAGGGGGACGTGATCCAGATCAAGCTGAGCGAGCACACGGAGGACCTGCCAAGGGCGGACGGCCAG
GGTAGCACAACCATGCTGGTGGACACAGTGTGAGATGAACTATGCCACGGCCAGTGGACGCGCTTC
AAGAAGTACAAGCCCATGACCAATGTGCTCAG
ACGGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_005663
- Insert Size:** 1620 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_005663.4](#)

RefSeq Size: 2479 bp

RefSeq ORF: 1620 bp

Locus ID: 7469

UniProt ID: [Q9H3P2](#)

Cytogenetics: 4p16.3

Protein Families: Transcription Factors

MW: 58.5 kDa

Gene Summary: This gene is expressed ubiquitously with higher levels in fetal than in adult tissues. It encodes a protein sharing 93% sequence identity with the mouse protein. Wolf-Hirschhorn syndrome (WHS) is a malformation syndrome associated with a hemizygous deletion of the distal short arm of chromosome 4. This gene is mapped to the 165 kb WHS critical region, and may play a role in the phenotype of the WHS or Pitt-Rogers-Danks syndrome. The encoded protein is found to be capable of reacting with HLA-A2-restricted and tumor-specific cytotoxic T lymphocytes, suggesting a target for use in specific immunotherapy for a large number of cancer patients. This protein has also been shown to be a member of the NELF (negative elongation factor) protein complex that participates in the regulation of RNA polymerase II transcription elongation. [provided by RefSeq, Jul 2008]