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Product datasheet for SC114647

COBRA1 (NELFB) (NM_015456) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COBRA1 (NELFB) (NM_015456) Human Untagged Clone
Tag:	Tag Free
Symbol:	COBRA1
Synonyms:	COBRA1; NELF-B
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_015456, the custom clone sequence may differ by one or more nucleotides

ATGTTCGCGGGGCTGCAGGACCTGGGCGTGGCCAACGGCGAGGACCTGAAGGAGACCCTGACCAACTGCA
CGGAGCCGCTCAAGGCCATCGAGCAGTTCCAGACAGAGAATGGTGTGCTGCTGCCATCTCTTCAGTCAGC
CCTCCCCTTCTTGGACCTGCACGGGACGCCGCGGCTGGAGTTCCACCAGTCGGTATTCGATGAGCTGCGG
GACAAGCTGCTGGAGCGAGTGTCAGCCATCGCTTCGGAGGGGAAGGCTGAGGAAAGGTACAAGAAGCTGG
AAGACCTTCTGGAGAAGAGCTTTTCTCTGGTGAAGATGCCGTCCCTGCAGCCCGTGGTGATGTGCGTCAT
GAAGCACCTGCCCAAGGTTCCGGAGAAAAAACTGAAGCTGGTTATGGCTGACAAGGAGCTGTATCGAGCC
TGCGCCGTGGAGGTGAAGCGGCAGATCTGGCAAGACAACCAGGCCCTCTTCGGGGACGAGGTTTCCCCAC
TCCTGAAGCAGTACATCCTGGAGAAGGAGAGCGCTCTCTTCAGTACAGAGCTCTCTGTCCTGCACAACTT
TTTCAGTCCTTCCCCCAAGACCAGGCGCCAGGGCGAGGTGGTGCAGCGGCTGACGCGGATGGTGGGGAAG
AACGTGAAGCTGTACGACATGGTGCTGCAGTTTCTGCGCACGCTCTTCCTGCGCACGCGGAATGTGCACT
ACTGCACGCTGCGGGCTGAGCTGCTCATGTCCCTGCACGACCTGGACGTGGGTGAAATCTGCACCGTGGA
CCCGTGCCACAAGTTCACCTGGTGCCTGGACGCCTGCATCCGAGAGCGGTTCGTGGACAGCAAGAGGGCG
CGGGAGCTGCAGGGGTTTCTCGATGGCGTCAAGAAGGGCCAGGAGCAGGTGCTGGGGGACCTGTCCATGA
TCCTGTGTGACCCCTTCGCCATCAACACGCTGGCACTGAGCACAGTCAGGCACCTGCAGGAGCTGGTCGG
CCAGGAGACACTGCCCAGGGACAGCCCCGACCTCCTGCTGCTGCTCCGGCTGCTGGCGCTGGGCCAGGGA
GCCTGGGACATGATCGACAGCCAGGTCTTCAAGGAGCCCAAGATGGAGGTAGAGCTCATCACCAGGTTCC
TCCCGATGCTCATGTCCTTCCTGGTGGATGACTACACTTTCAATGTGGATCAGAAACTTCCGGCTGAGGA
GAAAGCCCCAGTCTCATATCCAAACACACTTCCCGAAAGCTTCACTAAGTTTCTGCAGGAGCAGCGCATG
GCCTGCGAGGTGGGGCTGTACTACGTCCTGCACATCACCAAGCAGAGGAACAAGAACGCGCTCCTCCGCC
TGCTGCCCGGGCTGGTGGAGACCTTTGGCGACTTGGCCTTTGGCGACATCTTCCTCCACCTGCTCACGGG
CAACCTTGCGCTGCTGGCCGACGAATTTGCCCTTGAGGACTTCTGCAGCAGCCTCTTCGATGGCTTCTTC
CTCACCGCCTCTCCAAGGAAGGAGAACGTGCACCGGCACGCGCTGCGGCTCCTCATTCACCTGCACCCCA
GGGTGGCCCCGTCTAAGCTGGAGGCGTTGCAGAAGGCCCTGGAGCCTACAGGCCAGAGCGGAGAGGCAGT
GAAGGAGCTTTACTCCCAGCTCGGCGAGAAGCTGGAACAGCTGGATCACCGGAAGCCCAGCCCGGCACAG
GCTGCGGAGACGCCGGCCCTGGAGCTGCCCCTCCCCAGCGTGCCCGCCCCTGCCCCGCTCTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015456 unedited
TAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGAAACTTTTTCAGTCCTTCC
CCCAAAACCAGGCGCCAGGGCGAGGTGGTGCAGCGGCTGACGCGGATGGTGGGGAAGAAC
GTGAAGCTGTACGACATGGTGCTGCAGTTTCTGCGCACGCTCTTCCTGCGCACGCGGAAT
GTGCACTACTGCACGCTGCGGGCTGAGCTGCTCATGTCCCTGCACGACCTGGACGTGGGT
GAAATCTGCACCGTGGACCCGTGCCACAAGTTCACCTGGTGCCTGGACGCCTGCATCCGA
GAGCGGTTCGTGGACAGCAAGAGGGCGCGGGAGCTGCAGGGGTTTCTCGATGGCGTCAAG
AAGGGCCAGGAGCAGGTGCTGGGGGACCTGTCCATGATCCTGTGTGACCCCTTCGCCATC
AACACGCTGGCACTGAGCACAGTCAGGCACCTGCAGGAGCTGGTCGGCCAGGAGACACTG
CCCAGGGACAGCCCCGACCTCCTGCTGCTGCTCCGGCTGCTGGCGCTGGGCCAGGGAGCC
TGGGACATGATCGACAGCCAGGTCTTCAAGGAGCCCAAGATGGAGGTAGAGCTCATCACC
AGGTTCCTCCCGATGCTCATGTCCTTCCTGGTGGATGACTACACTTTCAATGTGGATCAG
AAACTTCCGGCTGAGGAGAAAGCCCCAGTCTCATATCCAAACACACTTCCCGAAAGCTTC
ACTAAGTTTCTGCAGGAGCAGCGCATGGCCTGCGAGGTGGNGCTGTACTACGTCCTGCAC
ATCACCAAGCAGAGGAACAAGAACGCGCTCCTCCGCCTGCTGCCCGGGCTGGTGGAGAAC
TTANNGCGACTGGCCTTTAGCGACATCTTCCTNNCACTGCTCACGGGCACCTTGCGCTGC
TGGCCGACGAATTGCCCTTTGAGACTCTGCAGCAGCTCTTCGAGGCTTCTTCCTACCGCT
CTNCA

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_015456 unedited
CCGCGGGCCGCAATCTAGAGTCGAGTTNTTTTTTTTTTTTTTTTTTTTTTTTTTTTAC
CAAATTGCCTTTTATTTACATACGAAAAAAATCTCACCGTGTGTCCAGCTGGCCCCGTCA
CGGCCGCTGAAGGCAGCACTGCTGGGCAAGGAAAAACAAGGCCACACCTGCAACCTGGGC
TGCAGGGTGAGGGGGCTCCCTCCGCACAGGCCCCAGGACACCCACCATGGCACAGGCCAG
GCTGCTGCCCCCACACGGCCTCCACGAGGTCACGGGTCCATCTCCACAACCCCAAGGCAG
TAAGCAGTGTGCCTCGCTTTCGCCAAGCTGGGCCAATGAAAAGGCCCCGCCCCCACCCTC
AGGCCCCGCCCTTTCCCCTTGGAAAACAGGTGGTTTTTTCCTAACACAGGAAAACAGAAA
ATGACCACGCTTTTTATGGCTGCCAAAGTACAAGGAGAGGCTCTGCCCTGGGAGCCACTG
CATGGATGCTGGGCAAGGTCCGGGAGCCAGCTCCAAGGAGCAGGAAGCAGGGGGCCATAC
CGGCAGGACAGGCCCACCCATAGCCCCTGCAAGAGAGACTGCCCTGTACATCCAGGCCCG
GGAGCCTCTTCCGGCTGAACAGGGCCGCGACTTCGCATGGCCCCCACACCCGACCAGCCT
CGAGGGCCCTCACTAGCGGGCAGGCGCGCACACGCTCGGGAGGGGCAACTCCAGGGCCGG
CGCCCCGCACCCGTGCCGGCTGGCCTTCCGGGACCCACTGTCCACCCTCCCCCACCGGGA
GAAAGCTTTTTCATGCCTCTCCCTCGGCCCGGAGCCCCAGGCCTTTCGCACCCTCAGTTT
AAGGGGCACCCTGGGCGCCGGAAGAGACCCCACGTGCCCCGCACTTCCCTTCTGGAAGCG
GGGGAAAAATCCTCAAAGCTTCGTAAATTCCAGGGAAATTTCGCCCCCCCCAAGGTCCCGG
AGACGGGAGAAAACTCCCAG
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Restriction Sites: NotI-NotI

ACCN: NM_015456

Insert Size: 1870 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).

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_015456.1, NP_056271.1

RefSeq Size: 2622 bp

RefSeq ORF: 2622 bp

Locus ID: 25920

UniProt ID: Q8WX92

Cytogenetics: 9q34.3

Protein Families: Transcription Factors

Gene Summary: NELFB is a subunit of negative elongation factor (NELF), which also includes NELFA (WHSC2; MIM 606026), either NELFC or NELFD (TH1L; MIM 605297), and NELFE (RDBP; MIM 154040). NELF acts with DRB sensitivity-inducing factor (DSIF), a heterodimer of SPT4 (SUPT4H1; MIM 603555) and SPT5 (SUPT5H; MIM 602102), to cause transcriptional pausing of RNA polymerase II (see MIM 180660) (Narita et al., 2003 [PubMed 12612062]).[supplied by OMIM, Mar 2008]