

Product datasheet for **SC317995**

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:	NELFB
Synonyms:	COBRA1; NELF-B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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

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CTGGCCGAGCTGGAGGGCGCCGGGGAGCGGGGCTCGGGCGGTCCCGAGGCCCGGGGAGCGGGCTTCTG
GGGTGCTCGGGCGCGCCGGGGAAACGGGCTGGGGATGGGGCGCCTAGCCGGCGGTGGCCGGGGCCTC
GGCATGTTTCGGGGGGCTGCAGGACCTGGGCGTGGCCAACGGCGAGGACCTGAAGGAGACCCTGACCAAC
TGCACGGAGCCGCTCAAGGCCATCGAGCAGTTCCAGACAGAGAATGGTGTGCTGCTGCCATCTTCACT
CAGCCCTCCCCTTCTTGACCTGCACGGGACGCCGCGGCTGGAGTTCCACCAGTCGGTATTCGATGAGCT
GCGGGACAAGCTGCTGGAGCGAGTGCAGCCATCGCTTCGGAGGGGAAGGCTGAGGAAAGGTACAAGAAG
CTGGAAGACCTTCTGGAGAAGAGCTTTTCTCTGGTGAAGATGCCGTCCCTGCAGCCCGTGGTATGTGCG
TCATGAAGCACCTGCCAAAGTTCCGGAGAAAAAACTGAAGCTGGTTATGGCTGACAAGGAGCTGTATCG
AGCCTGCGCCGTGGAGGTGAAGCGGCAGATCTGGCAAGACAACCAGGCCCTTTCGGGGACGAGGTTTCC
CCACTCCTGAAGCAGTACATCCTGGAGAAGGAGAGCGCTCTCTTCACTACAGAGCTCTGTCTGCACAC
ACTTTTTCAGTCCTTCCCAAGACCAGGCGCCAGGGCGAGGTGGTGCAGCGGCTGACGCGGATGGTGGG
GAAGAACGTGAAGCTGTACGACATGGTGTGCAGTTTCTGCGCACGCTTTCCTGCGCACGCGGAATGTG
CACTACTGCACGCTGCGGGCTGAGCTGCTCATGTCCCTGCACGACCTGGACGTGGGTGAAATCTGCACCG
TGGACCCGTGCCACAAGTTCACCTGGTGCCTGGACGCCTGCATCCGAGAGCGGTTCTGGACAGCAAGAG
GGCGCGGGAGCTGCAGGGGTTTCTCGATGGCGTCAAGAAGGGCCAGGAGCAGGTGCTGGGGGACCTGTCC
ATGATCCTGTGTGACCCCTTCGCCATCAACACGCTGGCACTGAGCACAGTCAGGCACCTGCAGGAGCTGG
TCGGCCAGGAGACTGCCAGGGACAGCCCGACCTCCTGCTGCTGCTCCGGCTGCTGGCGCTGGGCCA
GGGAGCCTGGGACATGATCGACAGCCAGGTCTTCAAGGAGCCCAAGATGGAGGTAGAGCTCATCACCAGG
TTCCTCCCGATGCTCATGTCTTCTGGTGGATGACTACACTTTCAATGTGGATCAGAACTTCCGGCTG
AGGAGAAAGCCCCAGTCTCATATCCAAACACACTTCCCGAAAGTTCACCTAAGTTTCTGCAGGAGCAGCG
CATGGCCTGCGAGGTGGGGCTGTACTACGTCCTGCACATCACCAAGCAGAGGAACAAGAACGCGCTCCTC
CGCCTGCTGCCCGGGCTGGTGGAGACCTTTGGCGACTTGGCCTTTGGCGACATCTTCTCCACCTGCTCA
CGGGCAACCTTGCCTGCTGGCCGACGAATTTGCCCTTGGAGACTTCTGCAGCAGCCTTTCGATGGCTT
CTTCTCACCGCCTCTCCAAGGAAGGAGAACGTGCACCGGCACGCGCTGCGGCTCCTCATTACCTGCAC
CCCAGGGTGGCCCGTCTAAGCTGGAGGCGTTGCAGAAGGCCCTGGAGCCTACAGGCCAGAGCGGAGAGG
CAGTGAAGGAGCTTACTCCAGCTCGGCGAGAAGCTGGAACAGCTGGATCACCGGAAGCCAGCCCGGC
ACAGGCTGCGGAGACGCCGGCCCTGGAGCTGCCCTCCCAGCGTCCCCGCCCTGCCCGCTTGA
    
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- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_015456
- 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_015456.4](#), [NP_056271.3](#)

RefSeq Size: 2629 bp

RefSeq ORF: 1887 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]