

Product datasheet for **SC212125**

Neuro D4 (DPF1) (NM_004647) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Symbol: Neuro D4

Synonyms: BAF45b; NEUD4; neuro-d4

Mammalian Cell Neomycin

Selection:

Vector: pMirTarget (PSI00062)

ACCN: NM_004647

Insert Size: 1087 bp

Insert Sequence: >SC212125 3'UTR clone of NM_004647
The sequence shown below is from the reference sequence of NM_004647. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
AAGGCTTCTGCTTACATCACCTCACCTAGGCCGGCTCGGCTCGCCGCGACTCTGGGGTGGTGTCTCGCC
TACCTGCCTCTCCGAGCTCCTCAATTCTCCCCACCCTGAACATCCCGAGGGGAGGGGGAGAGGGGG
AAGCCGAGAGGGGGCTGGGCCACCCCTCCCTCTGTGCAAGTGAATGTCTGCCCTGTGGTGGGTGG
GCCCGGCCAGGGCCTCTCCCTCCCTCCCTCCCTCTGTCCCTTGGCAATGGACACCAGGGCTTCTC
CCCTCAAAGCCATACCCCGCCTCTGGGCGGCATGGGGGGTGGTGGGTGCCAGCCAGGGGCATGGACAG
AGCCTTTTTCTAAAGAAAAGACAAAAGTTAAAAAAGAAAAGAAAAGAAAAGAAAGTTAATAT
ATACAAAGAGTCTCAAGGCCTGGCTGGGTGGAGGGCGCTGCTGAGAGTGTCCACCGGGCACCCGCC
TCTGCCGGCCCCCGCCGGGCGCCCAACCCCAATTTCTGGAGCTGCAGCCGTCCCGCGCCCCACCCAA
GGTGGGCGCCTTCCCTCTTGTGCCAGGGCGGTGGGCGTGGTGTCCACCGCCCTCTGGTGGCCAC
GGTGGATACTGCATGATGTGAACCTTGGTTTTGAACCTGTTCCTGCCCTCCCGACCGCCCCAGCCT
GTGCCCGCCCCGTGCCTGCCGTGGTGGTGGTGGGCGGTGGTGGGGCCGGTGGGCCCCGCCAGCGC
CTGCTGGAATGAGAAGCACAGACTCCGCCACGGAATCTTTTCTCCTCCCTCCCGCCCCGCCAGGCC
TGGCGGCCCCCGCCCCCTCGTGGCCATTTTGGGGAGTGAGGGGGCGTGGTGTCTTGTGGTGTGT
GTGTGTTTGTGTTTCGGGTTTTAAAAAGGAACTGAGACTGCAGGTGGGGGAGGTGGTGGTGGTGG
GGGGATGTCCCTAATCCAGGAGTGCCCCCTCACTTGTACCGAGTCTCCTCTATTGCCTGCCTCTGCT
GTGAATTAACCTTGTCTGTGATTAACTGGGCCTGACCCCTCTGCCACGA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCGCCTCTATGAAAGG
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Restriction Sites: SgfI-MluI



OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_004647.4</u>
Summary:	May have an important role in developing neurons by participating in regulation of cell survival, possibly as a neurospecific transcription factor. Belongs to the neuron-specific chromatin remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a post-mitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to post-mitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth (By similarity).[UniProtKB/Swiss-Prot Function]
Locus ID:	8193
MW:	37.6