

Product datasheet for **SC329725**

Neurobeachin (NBEA) (NM_001204197) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurobeachin (NBEA) (NM_001204197) Human Untagged Clone
Tag:	Tag Free
Symbol:	NBEA
Synonyms:	BCL8B; LYST2; NEDEGE
Vector:	pCMV6-Entry (PS100001)

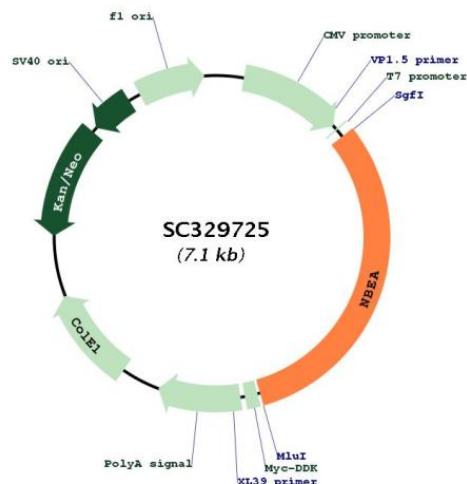


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Fully Sequenced ORF: >SC329725 representing NM_001204197.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTTTCAGCGAGATACGAGCTGTATTTTCAAGACGTTACCTTCTACAAAACACTGCTTTGGAAGTATTT
ATGGCAAACCGAACCTCAGTTATGTTTAAATTTCCCTGATCAAGCAACAGTAAAAAAGTTGTCTATAGC
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CGACAGCTTTATAAATCTTCCAATATGACTCAGCGCTGGCAAAGAAGGGAAATTTCAAACCTCGAATAT
TTGATGTTCCCTTAATACTATTGCAGGACGGACATATAATGATCTGAACCAATATCCAGTGTTCCTGG
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CAGAACCTGGTCACCGGAGGGGACAATGGGGTAGTAGAGGTCTGGCAGGCCTGTGACTTCAAGCAACTG
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AACAGATACTGA
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001204197

Insert Size: 2220 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_001204197.1](#)

RefSeq Size: 4107 bp

RefSeq ORF: 2220 bp

Locus ID: 26960

UniProt ID: [Q8NFP9](#)

Cytogenetics: 13q13.3

MW: 84 kDa

Gene Summary:

This gene encodes a member of a large, diverse group of A-kinase anchor proteins that target the activity of protein kinase A to specific subcellular sites by binding to its type II regulatory subunits. Brain-specific expression and coat protein-like membrane recruitment of a highly similar protein in mouse suggest an involvement in neuronal post-Golgi membrane traffic. Mutations in this gene may be associated with a form of autism. This gene and its expression are frequently disrupted in patients with multiple myeloma. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants may exist, but their full-length nature has not been determined.[provided by RefSeq, Feb 2011]

Transcript Variant: This variant (2) has a novel 5' UTR, lacks multiple 5' coding exons, and uses a downstream in-frame start codon, compared to variant 1. Variant 2 encodes a shorter protein (isoform 2) that lacks a neurobeachin pleckstrin homology-like domain and DUF1088 domain, compared to isoform 1.