OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC337871

NBPF9 (NM_001277444) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NBPF9 (NM_001277444) Human Untagged Clone
Tag:	Tag Free
Symbol:	NBPF9
Synonyms:	AE01
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001277444, the custom clone sequence may differ by one or more nucleotides

ATGGTGGTATCAGCCGGCCCTTGGTCCAGCGAGAAGGCAGAGATGAACATTCTAGAAATCAACGAGAAAT
TGCGCCCCCAGTTGGCAGAGAACAAACAGCAGTTCGGAAACCTCAAAGAGAGATGTTTTCTAACTCAACT
GGCCGGCTTCCTGGCCAACCGACAGAAGAAATACAAGTATGAAGAGTGTAAAGACCTCATAAAATTTATG
CTGAGGAATGAGCGACAGTTCAAGGAGGAGAAGCTTGCAGAGCAGCTGAAGCAAGCTGAGGAGCTCAGGC
AATATAAAGTCCTGGTTCACTCTCAGGAACGAGAGCTGACGCAGTTAAAGGAGAAGTTACGGGAAGGGAG
AGATGCCTCCCGCTCATTGAATGAGCATCTCCAGGCCCTCCTCACTCCGGATGAGCCGGACAAGTCCCAG
GGGCAGGACCTCCAAGAACAGCTGGCTGAGGGGTGTAGACTGGCACAGCACCTTGTCCAAAAGCTCAGCC
CAGAAAATGACGAAGATGAGGATGAAGATGTTCAAGTTGAGGAGGATGAGAAAGTACTGGAATCATCTGC
CCCCAGGGAGGTGCAGAAGGCTGAAGAGAGCAAAGTCGCTGAGGACTCACTGGAGGAATGTGCCATCACT
TGTTCAAATAGCCACGGCCCTTGTGACTCCAACCAGCCTCACAAGAACATCAAAATCACATTTGAGGAAG
ACGAAGTCAACTCAACTCTGGTTGTAGACAGAGAATCCTCTCATGATGAATGTCAGGATGCTCTAAACAT
TCTCCCAGTCCCTGGCCCCACCTCTTCTGCCACAAACGTCAGCATGGTGGTATCAGCCGGCCCTTTGTCC
AGCGAGAAGGCAGAGATGAACATTCTAGAAATCAATGAGAAATTGCGCCCCCAGCTGGCAGAGAAGAAAC
AGCAGTTCAGAAACCTCAAAGAGAAATGTTTTCTAACTCAACTGGCCGGCTTCCTGGCCAACCAGCAGAA
CAAATACAAGTATGAAGAGTGTAAAGACCTCATAAAATTTATGCTGAGGAATGAGCGACAGTTCAAGGAG
GAGAAGCTTGCAGAGCAGCTGAAGCAAGCTGAGGAGCTCAGGCAATATAAAGTCCTGGTTCACGCTCAGG
AACGAGAGCTGACCCAGTTAAGGGAGAAGTTGCGGGAAGGGAGAGATGCCTCCCGCTCATTGAATGAGCA
TCTCCAGGCCCTCCTCACTCCGGATGAGCCGGACAAGTCCCAGGGGCAGGACCTCCAAGAACAGCTGGCT
GAGGGGTGTAGACTGGCACAGCACCTTGTCCAAAAGCTCAGCCCAGAAAATGACAACGATGACGATGAAG
ATGTTCAAATTGAGGTGGCTGAGAAAGTGCAGAAATCGTCTGCCCCCAGGGAGATGCAGAAGGCTGAAGA
AAAGGAAGTCCCTGAGGACTCACTGGAGGAATGTGCCATCACTTATTCAAATAGCCATGGCCCTTATGAC
TCCAACCAGCCACATAGGAAAACCAAAATCACATTTGAGGAAGACAAAGTCGACTCAACTCTCATTGGCT
CATCCTCTCATGTTGAACGGGAAGATGCTGTACACATTATTCCAGAAAATGAAAGTGATGATGAGGAAGA

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GGAAGAAAAAGGGCCAGTGTCTCCCAGGAATCTGCAGGAGTCTGAAGAGGAGGAAGTCCCCCAGGAGTCC
TGGGATGAAGGTTATTCGACTCCCTCAATTCCTCCTGAAATGTTGGCCTCGTACAAGTCTTACAGCAGCA
CATTTCACTCATTAGAGGAACAGCAAGTCTGCATGGCTGTTGACATAGGCAGACATCGGTGGGATCAAGT
GAAAAAGGAGGACCAAGAGGCAACAGGTCCCAGGCTCAGCAGGGAGCTGCTGGATGAGAAAGGGCCTGAA
GTCTTGCAGGACTCACTGGATAGATGTTATTCAACTCCTTCAGGTTGTCTTGAACTGACTGACTCATGCC
AGCCCTACAGAAGTGCCTTTTACGTATTGGAGCAACAGCGTGTTGGCTTGGCTGTTGACATGGATGAAAT
TGAAAAGTACCAAGAAGTGGAAGAAGACCAAGACCCATCATGCCCCAGGCTCAGCAGGGAGCTGCTGGAT
GAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGGTAGATGGTATTCGACTCCTTCAGGTTATCTTGAAC
TGCCTGACTTAGGCCAGCCCTACAGCAGTGCTGTTTACTCATTGGAGGAACAGTACCTTGGCTTGGCTCT
TGACTTGGACAGAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAGGCTCAGC
AGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAGATGTTATTCAACTCCTT
CCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAGTTCCTTTTATGCATTGGAGGAAAAACA
TGTTGGCTTTTCTCTTGACGTGGGAGAAATTGAAAAGAAGGGGAAGGGGAAGAAAAGAAGGGGAAGAAGA
TCAAAGAAGAAAAGAAGAAGGGGAAGAAAAGAAGGGGAAGAAAATCAAAACCCACCATGCCCCAGGCTCA
GCAGGGAGCTGCTGGATGAGAAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAGATGTTATTCGACTCC
TTCAGGTTATCTTGAACTGCCTGACTTAGGCCAGCCCTACAGCAGTGCTGTTTACTCATTGGAGGAACAG
TACCTTGGCTTGGCTCTTGACGTGGACAGAATTAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCAC
CATGCCCCAGGCTCAGCAGGGAGCTGCTGGAGGTAGTAGAGCCTGAAGTCTTGCAGGACTCACTGGATAG
ATGTTATTCAACTCCTTCCAGTTGTCTTGAACAGCCTGACTCCTGCCAGCCCTATGGAAGTTCCTTTTAT
GCATTGGAGGAAAAACATGTTGGCTTTTCTCTTGACGTGGGAGAAATTGAAAAGAAGGGGAAGGGGAAGA
AAAGAAGGGGAAGAAGATCAAAGAAGGAAAGAAGAAGGGGAAGAAAAGAAGGGGAAGAAGATCAAAACCC
ACCATGCCCCAGGCTCAACGGCGTGCTGATGGAAGTGGAAGAGCCTGAAGTCTTGCAGGACTCACTGGAT
GGATGTTATTCTACTCCGTCAATGTACTTTGAACTACCTGACTCATTCCAGCACTACAGAAGTGTGTTTT
ACTCATTTGAGGAACAGCACATCAGCTTCGCCCTTTACGTGGACAATAGGTTTTTTACTTTGACGGTGAC
AAGTCTCCACCTGGTGTTCCAGATGGAAGTCATATTCCCACAATAA

Restriction Sites: SgfI-MluI

ACCN: NM_001277444

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_001277444.1, NP_001264373.1

RefSeq Size: 5034 bp

RefSeq ORF: 3336 bp

Locus ID: 400818

UniProt ID:	P0DPF3
Cytogenetics:	1q21.2
Gene Summary:	This gene is a member of the neuroblastoma breakpoint family (NBPF) which consists of dozens of recently duplicated genes primarily located in segmental duplications on human chromosome 1. This gene family has experienced its greatest expansion within the human lineage and has expanded, to a lesser extent, among primates in general. Members of this gene family are characterized by tandemly repeated copies of DUF1220 protein domains. Gene copy number variations in the human chromosomal region 1q21.1, where most DUF1220 domains are located, have been implicated in a number of developmental and neurogenetic diseases such as microcephaly, macrocephaly, autism, schizophrenia, cognitive disability, congenital heart disease, neuroblastoma, and congenital kidney and urinary tract anomalies. Altered expression of some gene family members is associated with several types of cancer. This gene family contains numerous pseudogenes. [provided by RefSeq, Apr 2013] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.