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Product datasheet for SC332376

NBPF3 (NM_001256417) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: NBPF3 (NM_001256417) Human Untagged Clone

Tag: Tag Free

Symbol: NBPF3

Synonyms: AE2

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC332376 representing NM_001256417.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCCACTGACTCCCACTGTCCAGGGCTTCCAGTGGACTCTCCGAGGCCCTGATGTAGAAACTTCCCCA
TTCGGTGCACCAAGAGCAGCCTCACATGGTGTGGGCCGACATCAAGAGCTGCGAGATCCAACAGACTAT
GAAGACTGCAAAGACCTCATAAAATCTATGCTGAGGGATGAGCGGCTGCTCACAGAAGAGAAGCTTGCA
GAGGAGCTCGGGCAAGCTGAGGAGCTCAGGCAATATAAAGTCCTGGTTCACTCTCAGGAACGAGAGCTG
ACCCAGTTAAGGGAGAAGTTACAGGAAGGGAGAGATGCCTCCCGCTCATTGAATCAGCATCTCCAGGCC
CTCCTCACTCCGGATGAGCCGGACAACTCCCAGGGACGGGACCTCCGAGAACAGCTGGCTGAGGGATGT
AGGCTGGCACAGCACCTCGTCCAAAAGCTCAGCCCAGAAAATGATGACGATGAGGATGAAGATGTTAAA
GTTGAGGAGGCTGAGAAAGTACAGGAATTATATGCCCCCAGGGAGGTGCAGAAGGCTGAAGAAAAGGAA
GTCCCTGAGGACTCACTGGAGGAGTGTGCCATCACTTGTTCAAATAGCCACCACCCTTGTGAGTCCAAC
CAGCCTTACGGGAACACCAGAATCACATTTGAGGAAGACCAAGTCGACTCAACTCTCATTGACTCATCC
TCTCATGATGAATGGTTGGATGCTGTATGCATTATCCCAGAAAATGAAAGTGATCATGAGCAAGAGGAA
GAAAAAGGGCCAGTGTCTCCCAGGAATCTGCAGGAGTCTGAAGAGGAGGAAGCCCCCCAGGAGTCCTGG
GATGAAGGTGATTGGACTCTCTCAATTCCTCCTGACATGTCTGCCTCATACCAGTCTGACAGGAGCACC
TTTCACTCAGTAGAGGAACAGCAAGTCGGCTTGGCTCTTGACATAGGCAGACATTGGTGTGATCAAGTG
AAAAAGGAGGACCAAGAGGCCACAAGTCCCAGGCTCAGCAGGGAGCTGCTGGATGAGAAAGAGCCTGAA
GTCTTGCAGGACTCACTGGATAGATTTTATTCAACTCCTTTTGAGTACCTGGAACTGCCTGACTTATGC
CAGCCCTACAGAAGTGACTTTTACTCATTGCAGGAACAACACCTTGGCTTGGCTCTTGACTTGGACAGA
ATGAAAAAGGACCAAGAAGAGGAAGAAGACCAAGGCCCACCATGCCCCAGGCTCAGCAGAGAGCTGCCG
GAGGTAGTAGAGCCTGAGGACTTGCAGGACTCACTGGATAGATGGTATTCGACTCCTTTCAGTTATCCA
GAACTGCCTGATTCATGCCAGCCCTACGGAAGTTGCTTTTACTCATTGGAGGAAGAACACGTTGGCTTT
TCTCTTGACGTGGATGAAATTGAAAAGTACCAAGAAGGGGAAGAAGATCAAAAGCCACCATGCCCCAGG
CTCAACGAGGTGCTGATGGAAGCAGAAGAGCCTGAAGTCTTGCAGGACTCACTGGATAGATGTTATTCG
ACTACTTCAACTTACTTTCAACTACATGCCTCATTCCAGCAGTATAGAAGTGCCTTTTACTCATTTGAG
GAACAGGACGTCAGCTTGGCCCTTGACGTGGACAATAGGTTTTTTACTTTGACAGTGATAAGGCACCAC
CTGGCCTTCCAGATGGGAGTCATATTCCCACACTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001256417

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Insert Size:	1692 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_001256417.2
RefSeq Size:	3621 bp
RefSeq ORF:	1692 bp
Locus ID:	84224
UniProt ID:	Q9H094
Cytogenetics:	1p36.12
MW:	65.1 kDa
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. DUF1220 copy number variations in 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, Feb 2013] Transcript Variant: This variant (3) lacks an alternate exon in the coding region, compared to variant 1. The resulting protein (isoform 3) is shorter, compared to 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.