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Product datasheet for SC315430

NBPF7 (NM_001047980) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NBPF7 (NM_001047980) Human Untagged Clone
Tag:	Tag Free
Symbol:	NBPF7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315430 representing NM_001047980. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGTGTTTGCGTTTCTTCTCCCCAGTCCCTGGCTCCACCTCTTCTGCCACAAACGTCACCATGGTGGTA TCTGCCGGCCCCTGGTCCAGTGAGAAAGCAGAGATGAACATTCTAGAAATCAATGAGAAATTGCGCCCC CAGCTGGCAGAGAACAAACAACAGTTCAGAAACATGAAGCAGAAATTTCTTGTAACTCAAATGGCCGGC TTCCTGGCCAACCAGCAGAACAAATACAAGTATGAGGAGTGCAAAGACCTCATAAAATCTATGCTGAGG GAAGAGCTGCAGTTCAAGGAGGAGAAGCTTGCAGAGCAGCTCAAGCAAGCTGAGGAGCTCAGGCAATAT AAAGTCCTGGTTCACTCTCAGGAACGAGAGCTGATCCAGTTAAGGGAGAAGTTACGGGAAGGGAGAGAT GCCTCCCACTCACTGAATCAGCATCTCCAGGCTCTTCTCACTCCGGATAAGCATGACAACTCCCAGGGG CAGGACTTCCGAGAACAGCTGGCTGAGGGGTGTAGGCTGGCACGGCACCTTGTCCACAAGCTCAGCCCA GAAAATGACACAGATGAGGATGAAAATGATAAAACCAAGGAGCTTGATAAAGTACAGGAATCACCTGCT CCCAGGGAGGAGCAGAAGGCTGAAGAAAAGGAAGTCCCTGAGGACTCACTGGAGGAATGTGCCATCACT TATTCAAATAGCCATGGCCCTTCTGACTCCAACCCGCCTCACAAGAACATCAAAATCACATCTGAGGAA GACAAAGTCAACTCAATTCTGGTTGTAGACAGTGAATCTTCTCAAGATGAATGGCAGGATGCTCTAAAC ATTCTTCTGGAAAATCAAAATGATGATGAGGAAGAGGAAGGGAAAGCGCCAGTGCCCCCCCAGGTAACT CTGTGGATTTGTGGGCTGAAGCTGCAGGAGTCTGAAGAGAAGGAAGTCCTGCAGGACTCCCCGGAGGAA AGGGTTACGACTTCTTGTAGTGACCATGATGTGTCCCAATCTTACCAACCTTGTGAAGGCACTTTCTTG GCACTAGTTGAACAGAAAGTTTGCTCTGCTCAGGATGTAGCCAGCGAACACTCCAATTCCAAAGGGGAA GAAACTCCACTTGGCTTCCCAGATACCAAATACTGCTGGAAGGATGAAAAGGATGAAAGGATGTCACAA AAAGTAGCTTTTCTGCTCGATGAAAAAAACTACAACAGCAAACCAAGTTCAATTCCAAACACAACACTG CAGGGCTCCTTCACTGAGGATTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

View online »

ACCN:	NM_001047980
Insert Size:	1266 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).
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_001047980.2
RefSeq Size:	1611 bp
RefSeq ORF:	1266 bp
Locus ID:	343505
UniProt ID:	P0C2Y1
Cytogenetics:	1p12
MW:	48.1 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. 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, Mar 2013]