

Product datasheet for **SC126133**

Pet1 (FEV) (NM_017521) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pet1 (FEV) (NM_017521) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pet1
Synonyms:	HSRNAFEV; PET-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_017521 edited
AGAGAGTCAGGGAGGCGGAAAAGACACGCGCTCTAGGCTCCCATCAGGGCACATGGCCCCG
GGCCCATCCCCCGCGCTCTCCCGGCTGCGGGGCGGGGGGGCTGCCGGGTGCGCTTGG
CTGTGGCGCGCGCTTGGAGACTTTATTGCGATGGGACGATAAGAGGGGCGGGGCGGG
GTCCTGGGGGCGAGGCGGCAGCGCTTTAATTAACGAAATTGCGGCCCGGGCGCG
CGGGGGCGGAGGGTTCCAAGCGGCCCTTAGCTGGAAGCGTTTCTCAGGACCCCCCG
CAACCCCGCCACGCGCGGGCTGCCCTCCCGCCAGGCCCTGCCGACCCGCGCGCTC
TTCTCCTCCTTGTACCCGCGGTGCTTCGGGCGGGGATCGGTGCCACCGAGCGCAAAGC
CTGCCTCGCCCCCTTCCCCGTCCCCCATCTCCACCGCCAGTCCCCGGCGCGATG
AGACAGAGCGGCGCTCCAGCCCTGCTGATCAACATGTACCTGCCAGATCCCGTCGGA
GACGGTCTCTTAAGGACGGGAAGAACCAGAGCTGGGGGCGCTGAGCCCCGCGTTTCA
AAAGGCAGCGACAGATCCAGCTGTGGCAGTTTCTGCTGGAGCTGCTGGTGACCGCGC
AACGCCGCTGCATCGCTGGGAGGGCGGTACGGCGAGTTCAAGCTCACGACCCGGAC
GAGGTGGCGCGGGTGGGGCGAGCGCAAGAGCAAGCCCAACATGAACACGACAAGCTG
AGCCGCGCCTGCGCTACTACTACGACAAGAATCATGAGCAAGGTGCATGGCAAGCGC
TACGCCTACCGCTTCAGATTCCAGGGCCTGGCGCAGGCCCTGCCAGCCGCCCGCGCAC
GCTCATGCCGCCGCCGAGCTGTGCGCGCGCGCGGCCCGCCAGGACGCGCGCTCTAC
AAGCTGCCCGCGGCTCGCCCCGCTGCCCTTCCCCGGCTCTCCAACTCAACCTCATG
GCCGCTCGGCCGGGTGCGCGCCGCGGCTTCTCCTACTGGCGGGCGCGGCCCGCC
GCCACCGCTGCCGCCGCCACCGCGCGCTTACCCAGTCCAGCTTGCAGCCCCCGCC
GGGCCCTTCGGGGCGGTGGCGCAGCCTCGCACTTGGGGGGCATTACCACTAGACGGG
CGGTGCGGTGCTGCGGCTCGCCGCGACGCTAGAGTCTCGCCGATCCCATCGGCATC
CCGGGAGGGCCCGGAGCCTCCGTCAACCGTCTCTAATCCAGAGTTTACTCCACCTGC
CGCACTTAGCAGGGGACGGGACCGAAGCTCCCTCAATCCTTGTCTGTTACTAGATTG
TCTGTCCACCCCGCAGTCCCCTGAGGAGGGCGATGTGCGCCCTCTTTACTTTTTTTC
TTCTAGGTCTCCAGTCCCGAGGGGATTTGTGGACCTCTTGTCTCCCCACCACTCCA
GTGCATTTCCGCTGGCTCCTAGAAGCCCCATTCAATATCACTACTCTTTAACGAGTGCC
AAATCTTTTCCACTTTTGTCTTCCCCAAGGAAGTGTCCACCTCAGCACGTGGAGGC
CTCTACGGTCTCTTCTGGACCTGAGCAGGTTTGGTAAAGCCACCGTCTCCGTG
ACACACGCCCCCTTCTCTGTCCCCCACTCCAGGAGAACTCCCGGTGTGTTCTG
ACCTTTTCCAGCCCATTAAGCTCCTGAGCTCTCAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_017521 unedited
CATATTTGTATACACTCACTATAGGCGGCCGTAATTCGCACGAGGAGAGATCAGGGAG
GCGGAAAAGACACGCGCTCTAGGCTCCCATCAGGGCACATGGCCCGGGCCATCCCCCG
GCGTCTCCCCGGCTGCGGGGCGGGGGGGCTGCCGGGTGCGCTTGGCTGTGGCGCGCGC
GTTGGAGACTTTATTGCGATGGGACGATAAGAGGGGCGGGGGCGGGTCTGGGGGCCGA
NGCNNNNNNNTTNNNTAANANNGANNTTNGGCCNCGGGCGCGCGGGGGCGGNGGG
TTCCNNGGCGGCCCTTNNCTGGNGCGTTTCTCTCGGCCCGCCCGCCTCCCCCGCCCCG
CCCGGGGTGCCCCCTCCGCGCGGCCCTGGCGGCCCGGCGCCTTCTTTTNCCTTCTTG
TTTCCCGGTGTTTCTTCTGCGGGGTCTGTGCCCGCCCTGCTCNGGTCTTTTCTGCCCC
CGGTTTTGCGTTTGTCTCGCTCCCTTCTCTTCCCGGCTGCCNGTTCTTTTTT
GCCCTGCNTCTTGTCTTGTGCTGTTCTGCTTTTTGTGCTGCTTCTTNTCTGTGTG
TCTTTGCTCTGCTCTGCTCTTTTCCGCCCCCCCCCTCCGTCGCTTGTTCCTCTC
TGTTCCGGTTTGGTTCTGCTCTGCTGCTGCCGTCCGGTCTCTTCTTCCGCGCGTGT
GTTTTGTGGCGCCCGGTGGGCGTATGGCGGTGCGTTTCCGTCCGTCTTCTCTCCTC
CNGCGNTGTCTCTGCTCTCTTTTCCGCTGTGCTGTGCTGTGCTGTGCTGTGCT
GCTTTCTGTGCTCGGTGCTGTTTTTGTCTTCTTCCGCTTCTCTTCTCTTCCG
CTCCTCCTTCTGCGTTGTGTTGTGCGTGTTCCTGTCTTTGTT

Restriction Sites: NotI-NotI
ACCN: NM_017521

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:	<u>NM_017521.2</u> , <u>NP_059991.1</u>
RefSeq Size:	1901 bp
RefSeq ORF:	717 bp
Locus ID:	54738
UniProt ID:	<u>Q99581</u>
Cytogenetics:	2q35
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene belongs to the ETS transcription factor family. ETS family members have a highly conserved 85-amino acid ETS domain that binds purine-rich DNA sequences. The alanine-rich C-terminus of this gene indicates that it may act as a transcription repressor. This gene is exclusively expressed in neurons of the central serotonin (5-HT) system, a system implicated in the pathogeny of such psychiatric diseases as depression, anxiety, and eating disorders. In some types of Ewing tumors, this gene is fused to the Ewing sarcoma (EWS) gene following chromosome translocations. [provided by RefSeq, Jul 2008]