

Product datasheet for **SC322049**

Visfatin (NAMPT) (NM_005746) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Visfatin (NAMPT) (NM_005746) Human Untagged Clone
Tag:	Tag Free
Symbol:	Visfatin
Synonyms:	1110035O14Rik; PBEF; PBEF1; VF; VISFATIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322049
 CGAGCAGTGACTTAAGCAACGGAGCGCGGTGAAGCTCATTTTTCTCCTTCTCGCAGCCG
 CGCCAGGGAGCTCGCGGCGCGGGCCCTGTCTCCGGCCGAGATGAATCCTGCGGCAG
 AAGCCGAGTTCAACATCTCTGGCCACCGACTCTACAAGGTTACTCACTATAAAACAAT
 ATCCACCAACACAAGCAAAGTTTATTCCTACTTTGAATGCCGTGAAAAGAAGACAGAAA
 ACTCCAAATTAAGGAAGGTGAAATATGAGGAAACAGTATTTTATGGTTGCAGTACATTC
 TTAATAAGTACTTAAAAGTAAAGTAGTAACCAAAGAGAAAAATCCAGGAAGCCAAAGATG
 TCTACAAAGAACATTTCCAAGATGATGTCTTTAATGAAAAGGGATGGAACACTACATTCCTG
 AGAAGTATGATGGGCATCTTCCAATAGAAAATAAAAGCTGTTCTGAGGGCTTTGTCATTC
 CCAGAGGAAAATGTTCTTTCACGGTGAAAAACACAGATCCAGAGTGTTACTGGCTTACAA
 ATTGGATTGAGACTATTCTTGTTCAGTCCTGGTATCCAATCACAGTGGCCACAAATTCTA
 GAGAGCAGAAGAAAATATTGGCCAAATATTTGTTAGAACTTCTGGTAACTTAGATGGTC
 TGGAAACAAGTTACATGATTTTGGCTACAGAGGAGTCTTCCCAAGAGACTGCTGGCA
 TAGGAGCATCTGCTCACTTGGTTAACTTCAAAGGAACAGATACAGTAGCAGGACTTGCTC
 TAATTAATAAATATTATGGAACGAAAGATCCTGTTCCAGGCTATTCTGTTCCAGCAGCAG
 AACACAGTACCATAACAGCTTGGGGGAAAGACCATGAAAAAGATGCTTTTGAACATATTG
 TAACACAGTTTTATCAGTGCCTGTATCTGTGGTCAGCGATAGCTATGACATTTATAATG
 CGTGTGAGAAAATATGGGGTGAAGATCTAAGACATTTAATAGTATCAAGAAGTACACAGG
 CACCACTAATAATCAGACCTGATTCTGGAACCCTCTTGACACTGTGTTAAAGGTTTTGG
 AGATTTTAGGTAAGAAGTTTCTGTTACTGAGAACTCAAAGGGTTACAAGTTGCTGCCAC
 CTTATCTTAGAGTTATCAAGGGGATGGAGTAGATTAATACCTTACAAGAGATTGTAG
 AAGGCATGAAACAAAAATGTGGAGTATTGAAAATATTGCCTTCGGTTCTGGTGGAGGTT
 TGCTACAGAAGTTGACAAGAGATCTCTGAATTGTTCTTCAAGTGTAGCTATGTTGTAA
 CTAATGGCCTTGGGATTAACGTCTTCAAGGACCCAGTTGCTGATCCCAACAAAAGGTCCA
 AAAAGGGCCGATTATCTTTACATAGGACGCCAGCAGGAATTTTGTACTGGAGGAAG
 GAAAAGGAGACCTTGAGGAATATGGTCAGGATCTTCTCCATACTGTCTTCAAGAATGGCA
 AGGTGACAAAAAGCTATTCATTTGATGAAATAAGAAAAATGCACAGCTGAATATTGAAC
 TGGAAAGCAGCACATCATTAGGCTTTATGACTGGGTGTGTGTTGTGTATGTAATACATA
 ATGTTTATTGTACAGATGTGTGGGTTTGTGTTTATGATACATTACAGCCAAATATTTT
 GTTGGTTTATGGACATACTGCCCTTTCATTTTTTTCTTTTCCAGTGTTTAGGTGATCTC
 AAATTAGGAAATGCATTTAACCATGTAAAAGATGAGTGCTAAAGTAAGCTTTTTAGGGCC
 CTTTGCCAAATAGGTAGTCATTCAATCTGGTATTGATCTTTTACAAAATAACAGAAGCTGAG
 AAACCTTTTATATATAACTGATGATCACATAAAAACAGATTTGCATAAAATACCATGATTG
 CTTTATGTTTATATTTAACTTGTATTTTGTACAAACAAGATTGTGTAAGATATATTTGA
 AGTTTCAGTGATTTAACAGTCTTTCCAACCTTTTCATGATTTTTATGAGCACAGACTTTCA
 AGAAAATACTTAAAAATAAATTACATTGCCTTTTGTCCATTAATCAGCAAATAAAACATG
 GCCTTAACAAAAA

Restriction Sites: Please inquire

ACCN: NM_005746

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:	<ol style="list-style-type: none">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_005746.2</u> , <u>NP_005737.1</u>
RefSeq Size:	4593 bp
RefSeq ORF:	1476 bp
Locus ID:	10135
UniProt ID:	<u>P43490</u>
Cytogenetics:	7q22.3
Domains:	NAPRTase
Protein Families:	Druggable Genome
Protein Pathways:	Nicotinate and nicotinamide metabolism
Gene Summary:	This gene encodes a protein that catalyzes the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, one step in the biosynthesis of nicotinamide adenine dinucleotide. The protein belongs to the nicotinic acid phosphoribosyltransferase (NAPRTase) family and is thought to be involved in many important biological processes, including metabolism, stress response and aging. This gene has a pseudogene on chromosome 10. [provided by RefSeq, Feb 2011]