

Product datasheet for **SC302200**

APPBP1 (NAE1) (NM_001018159) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APPBP1 (NAE1) (NM_001018159) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAE1
Synonyms:	A-116A10.1; APPBP1; HPP1; ula-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC302200 representing NM_001018159.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

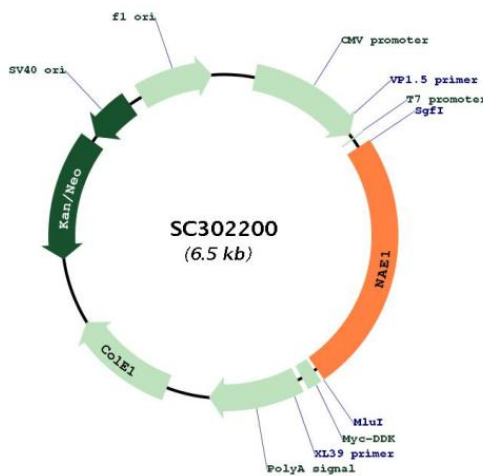
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGATGCTCAGCAAAACAAAAACAATGAAGCCAGGTTGTGGGTGATCATGGGCAAGAGGCTTTAGAA
TCTGCTCATGTTGCCTAATAAATGCAACAGCCACAGGAAGTAAATTTAAAACTTGGTACTACCA
GGTATTGGTTCGTTTACAATTATTGATGGAAATCAGGTCAGCGGAGAAGATGCTGGAAACAATTTCTTC
CTTCAAAGAAGCAGTATCGGCAAGAACCAGCTGAAGCTGCCATGGAATTTTACAAGAATTAATAGC
GATGTCTCTGGAAGTTTTGTGGAAGAGAGTCCAGAAAACCTTCTAGACAATGATCCCTCATTTTTCTGT
AGGTTTACTGTTGTAGTTGCAACTCAGCTTCTGAAAGCACTTCACTACGCTTAGCAGATGCTCTCTGG
AATTCCCAGATTCCTTTTTGATCTGTAGGACATATGGACTAGTTGGTTATATGAGGATCATTAAAAA
GAACATCCAGTAATAGAATCTCATCCAGATAATGCATTAGAGGATCTACGACTAGATAAGCCATTTCT
GAAGTGAAGAGAATTTGAAGAAGCTATTAATAATGTGAACACAGCACTAAATACAACCTCAGATCCCA
AGCAGTATTGAAGATATATTTAATGATGATCGTGCATAAATATCACCAACAGACTCCATCATTTTTGG
ATTTTAGCTCGTGCCTTAAAGGAATTTGTGGCCAAAGAGGGTCAAGGAAATTTACCTGTTTCGAGGCACA
ATTCCTGATATGATTGCAGATTCAGGCAAAATATAAACTGCAAAACGTTTACCGTGAAAAAGCAAAG
AAAGATGCTGCCGCTGTGGGTAATCATGTTGCCAAATGCTGCAGTCCATTGGCCAGGCACCAGAGTCC
ATTTTCAGAGAAAGAATTAATACTCTGCAGCAATTCGCATTTCTTCGAGTGGTAAGATGTCGATCC
TTAGCTGAAGAATATGGTTTGGATACAATTAACAAGGATGAAATTAATTTCTAGCATGGACAATCCAGAT
AATGAAATAGTGTGTACTTAATGTTACGGGCTGTTGATAGATTTATAAACAACAGGGTAGATATCCA
GGAGTATCTAACTATCAAGTTGAAGAAGATATAGGAAAGTTGAAGCTTGTCTCACTGGCTTCTTCAG
GAATATGGTTTATCTGTAATGGTGAAGATGATTATGTCCACGAATTTTGCCGATATGGAGCTGCTGAG
CCACATACCATTGCTGCATTTCTGGGGGAGCTGCTGCTCAAGAGGTCATCAAAAATACACCAACAA
TTTGAATTTTAAATAACTTACATTTACAGTGGCATGTCACAACTTCAGCAACTTCCAGTTGTAG

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN:	NM_001018159
Insert Size:	1587 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:	<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_001018159.1</u>
RefSeq Size:	1918 bp
RefSeq ORF:	1587 bp
Locus ID:	8883
UniProt ID:	<u>Q13564</u>
Cytogenetics:	16q22.1
Protein Pathways:	Alzheimer's disease
MW:	59.4 kDa
Gene Summary:	<p>The protein encoded by this gene binds to the beta-amyloid precursor protein. Beta-amyloid precursor protein is a cell surface protein with signal-transducing properties, and it is thought to play a role in the pathogenesis of Alzheimer's disease. In addition, the encoded protein can form a heterodimer with UBE1C and bind and activate NEDD8, a ubiquitin-like protein. This protein is required for cell cycle progression through the S/M checkpoint. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) contains an alternate exon compared to variant 1. The resulting isoform (b) is shorter and has a distinct C-terminus compared to isoform a.</p>