

Product datasheet for **SC336682**

APPBP1 (NAE1) (NM_001286500) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APPBP1 (NAE1) (NM_001286500) 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)



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Fully Sequenced ORF: >SC336682 representing NM_001286500.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

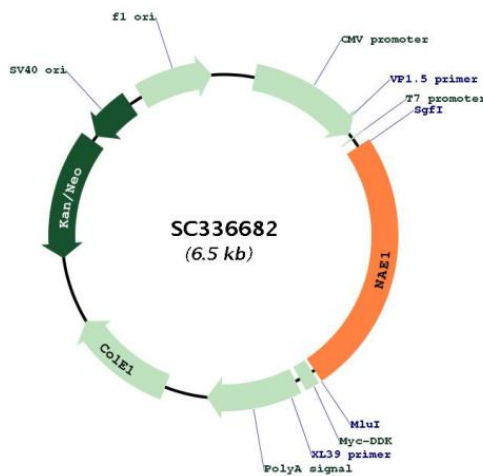
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Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN:	NM_001286500
Insert Size:	1614 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:	<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:	NM_001286500.1
RefSeq Size:	1826 bp
RefSeq ORF:	1614 bp
Locus ID:	8883
UniProt ID:	Q13564
Cytogenetics:	16q22.1
Protein Pathways:	Alzheimer's disease
MW:	60.5 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 (4) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (d) has the same N- and C-termini but contains an additional 3 aa compared to variant 1.</p>