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Product datasheet for SC320268

APPBP1 (NAE1) (NM_001018160) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APPBP1 (NAE1) (NM_001018160) Human Untagged Clone
Tag:	Tag Free
Symbol:	APPBP1
Synonyms:	A-116A10.1; APPBP1; HPP1; ula-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_001018160.1
GCGCGGCCATGGCGCAGCTGGGAAAGCTGCTCAAGGAGCAGAAGTACGACCGGCAGCTGA
GGTTGTGGGGTGATCATGGGCAAGAGGCTTTAGAATCTGCTCATGTTTGCCTAATAAATG
CAACAGCCACAGGAACTGAAATTCTTAAAAACTTGGTACTACCAGGTATTGGTTCGTTTA
CAATTATTGATGGAAATCAGGTCAGCGGAGAAGATGCTGGAAACAATTTCTTCCTTCAAA
GAAGCAGTATCGGCAAGAACCGAGCTGAAGCTGCCATGGAATTCTTACAAGAATTAAATA
GCGATGTCTCTGGAAGTTTTGTGGAAGAGAGTCCAGAAAACCTTCTAGACAATGATCCCT
CATTTTTCTGTAGGTTTACTGTTGTAGTTGCAACTCAGCTTCCTGAAAGCACTTCACTAC
GCTTAGCAGATGTCCTCTGGAATTCCCAGATTCCTCTTTTGATCTGTAGGACATATGGAC
TAGTTGGTTATATGAGGATCATTATAAAAGAACATCCAGTAATAGAATCTCATCCAGATA
ATGCATTAGAGGATCTACGACTAGATAAGCCATTTCCTGAACTGAGAGAACATTTTCAGT
CCTATGATTTGGATCATATGGAAAAAAAGGACCACAGTCATACTCCATGGATTGTGATCA
TAGCTAAATATTTAGCACAGTGGTATAGTGAAACAAATGGACGAATACCTAAAACGTATA
AAGAAAAAGAGGACTTCAGAGATTTGATTAGACAAGGAATTCTAAAAAATGAAAATGGGG
CTCCAGAAGATGAAGAGAATTTTGAAGAAGCTATTAAAAATGTGAACACAGCACTAAATA
CAACTCAGATCCCAAGCAGTATTGAAGATATATTTAATGATGATCGCTGCATAAATATCA
CCAAACAGACTCCATCATTTTGGATTTTAGCTCGTGCCTTAAAGGAATTTGTGGCCAAAG
AGGGTCAAGGAAATTTACCTGTTCGAGGCACAATTCCTGATATGATTGCAGATTCAGGCA
AATATATAAAACTGCAAAACGTTTACCGTGAAAAAGCAAAGAAAGATGCTGCCGCTGTGG
GTAATCATGTTGCCAAATTGCTGCAGTCCATTGGCCAGGCACCAGAGTCCATTTCAGAGA
AAGAATTAAAATTACTCTGCAGCAATTCTGCATTTCTTCGAGTGGTAAGATGTCGATCCT
TAGCTGAAGAATATGGTTTGGATACAATTAACAAGGATGAAATTATTTCTAGCATGGACA
ATCCAGATAATGAAATAGTGTTGTACTTAATGTTACGGGCTGTTGATAGATTTCATAAAC
AACAGGGTAGATATCCAGGAGTATCTAACTATCAAGTTGAAGAAGATATAGGAAAGTTGA
AGTCTTGTCTCACTGGCTTCCTTCAGGAATATGGTTTATCTGTAATGGTGAAAGATGATT
ATGTCCACGAATTTTGCCGATATGGAGCTGCTGAGCCACATACCATTGCTGCATTCTTGG
GGGGAGCTGCTGCTCAAGAGGTCATCAAAATAATCACCAAACAATTTGTAATTTTTAATA
ATACTTACATTTACAGTGGCATGTCACAAACTTCAGCAACTTTCCAGTTGTAGAGTAAGC
AAGCACCTTAAGTAGTGTGTTAATGATTGAAACTGTAATTGCCTTCGGGTTGTGCTTTAG
TCTGTAAAATTCTAAAGGAGAGCTGCTAAATTGTTTTCTTAATAAACATTTTTCTCATTT
GTAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001018160

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_001018160.1, NP_001018170.1
RefSeq Size:	1716 bp
RefSeq ORF:	1338 bp
Locus ID:	8883
UniProt ID:	Q13564
Cytogenetics:	16q22.1
Protein Pathways:	Alzheimer's disease
Gene Summary:	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] Transcript Variant: This variant (3) lacks an alternate exon compared to variant 1. The resulting isoform (c) is shorter at the N-terminus compared to isoform a.