

## Product datasheet for SC337912

### BAIAP3 (NM\_001286464) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BAIAP3 (NM_001286464) Human Untagged Clone
Tag:	Tag Free
Symbol:	BAIAP3
Synonyms:	BAP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286464, the custom clone sequence may differ by one or more nucleotides

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ATGTCGACCTTGCTGGACATTAAGAGCAGCGTGCTCAGGCAGGTGCAGGTGTGCCGTCCTCCGCCGCA
GGACTGAGCAGGACCCAGGGAGTGCCAGCGCCGACCCGCAGGAGCCTGCCACGGGGCCTGGAAACCCGG
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TCTGAGTTCGGGCTGCAGCTGCTGCGCCAGCTCCGAGACTACTTCCCTGCCACCAACAGCACCGCTGCC
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CTTCGAGTCGGAGCTGAACATGGACATTGCTGCGGCCCTGAAGAGAGGCAACCGTGAGTGGTACGACAGG
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AAGGCCGACCAGCAAGGAGGCGCAGGAGTTCGTGAAGAACTCAAGGAGCTGGAGAAGTGCATGGAGGC
GGACCCCTGA
    
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- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_001286464
- 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:** [NM\\_001286464.1](#), [NP\\_001273393.1](#)
- RefSeq Size:** 4634 bp

RefSeq ORF: 3510 bp

Locus ID: 8938

UniProt ID: [O94812](#)

Cytogenetics: 16p13.3

Protein Families: Druggable Genome

**Gene Summary:** This p53-target gene encodes a brain-specific angiogenesis inhibitor. The protein is a seven-span transmembrane protein and a member of the secretin receptor family. It interacts with the cytoplasmic region of brain-specific angiogenesis inhibitor 1. This protein also contains two C2 domains, which are often found in proteins involved in signal transduction or membrane trafficking. Its expression pattern and similarity to other proteins suggest that it may be involved in synaptic functions. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]  
Transcript Variant: This variant (6) differs in the 5' UTR and coding sequence and uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (6) is shorter at the N-terminus and contains an alternate internal segment compared to isoform 1.