

Product datasheet for SC310952

Annexin VIII (ANXA8) (NM_001040084) Human Untagged Clone

Product data:

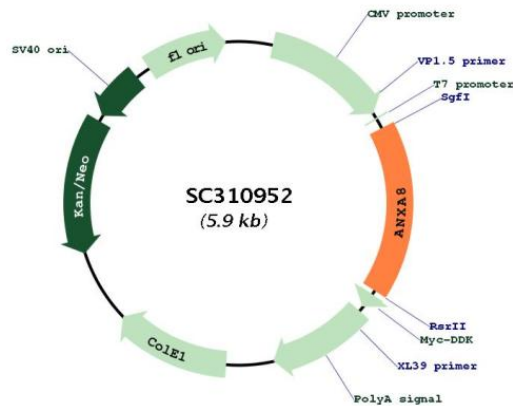
Product Type:	Expression Plasmids
Product Name:	Annexin VIII (ANXA8) (NM_001040084) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANXA8
Synonyms:	ANX8; CH17-360D5.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310952 representing NM_001040084. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCTGGTGGAAATCCTGGATTGAACAGGAGGGTGTACAGTGAAGAGCAGCTCCCACTTCAACCCA
GACCCTGATGCAGAGACCCTCTACAAAGCCATGAAGGGGATCGGGACCAACGAGCAGGCTATCATCGAT
GTGCTACCAAGAGAAGCAACACGCAGCGGCAGCAGATCGCCAAGTCCTCAAGGCTCAGTTCGGCAAG
GACCTCACTGAGACCTTGAAGTCTGAGCTCAGTGGCAAGTTGAGAGGCTCATTGTGGCCCTTATGTAC
CCGCCATACAGATACGAAGCCAAGGAGCTGCATGACGCCATGAAGGGCTTAGGAACCAAGGAGGGTGC
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TATGGGTCCAGCCTGGAGGAGGACATCCAAGCAGACACAAGTGGCTACCTGGAGAGGATCCTGGTGTGC
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GATCTGTATGCGGCAGGCGAGAAGATTCGTGGGACTGATGAGATGAAATTCATCACCATCCTGTGCACG
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AGCATCAAGAGTGAAGCCATGGCTCACTGGAGGAGGCCATGCTCACTGTGGTGAATGCACCCAAAAC
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GTGGGCAGCGACCCCTGA
AGCGGACCGACGCGTACGCGGCCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-RsrII



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Plasmid Map:


ACCN: NM_001040084

Insert Size: 984 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:

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_001040084.2](#)

RefSeq Size: 2070 bp

RefSeq ORF: 984 bp

Locus ID: 653145

UniProt ID: [P13928](#)

Cytogenetics: 10q11.22

MW: 36.9 kDa

Gene Summary: This gene encodes a member of the annexin family of evolutionarily conserved Ca²⁺ and phospholipid binding proteins. The encoded protein may function as an anticoagulant that indirectly inhibits the thromboplastin-specific complex. Overexpression of this gene has been associated with acute myelocytic leukemia. A highly similar duplicated copy of this gene is found in close proximity on the long arm of chromosome 10. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region compared to variant 1. It encodes isoform 2, which has a shorter N-terminus compared to isoform 1. An in-frame AUG is located 66 codons upstream of the annotated translation start site but was not annotated as a start site since it is not conserved and is in a weak Kozak sequence context.