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Product datasheet for SC317538

ANXA9 (NM_003568) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ANXA9
Synonyms:	ANX31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317538 representing NM_003568. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGTCTGTGACTGGCGGGAAGATGGCACCGTCCCTCACCCAGGAGATCCTCAGCCACCTGGGCCTGGCC AGCAAGACTGCAGCGTGGGGGACCCTGGGCACCCTCAGGACCTTCTTGAACTTCAGCGTGGACAAGGAT GCGCAGAGGCTACTGAGGGCCATTACTGGCCAAGGCGTGGACCGCAGTGCCATTGTGGACGTGCTGACC AACCGGAGCAGAGAGCAAAGGCAGCTCATCTCACGAAACTTCCAGGAGCGCACCCAACAGGACCTGATG AAGTCTCTACAGGCAGCACTTTCCGGCAACCTGGAGAGGATTGTGATGGCTCTGCTGCAGCCCACAGCC CAGTTTGACGCCCAGGAATTGAGGACAGCTCTGAAGGCCTCAGATTCTGCTGTGGACGTGGCCATTGAA ATTCTTGCCACTCGAACCCCACCCCAGCTGCAGGAGTGCCTGGCAGTCTACAAACACAATTTCCAGGTG GAGGCTGTGGATGACATCACATCTGAGACCAGTGGCATCTTGCAGGACCTGCTGTTGGCCCTGGCCAAG GGGGGCCGTGACAGCTACTCTGGAATCATTGACTATAATCTGGCAGAACAAGATGTCCAGGCACTGCAG CGGGCAGAAGGACCTAGCAGAGAGGAAACATGGGTCCCAGTCTTCACCCAGCGAAATCCTGAACACCTC ATCCGAGTGTTTGATCAGTACCAGCGGAGCACTGGGCAAGAGCTGGAGGAGGCTGTCCAGAACCGTTTC CATGGAGATGCTCAGGTGGCTCTGCTCGGCCTAGCTTCGGTGATCAAGAACACACCGCTGTACTTTGCT GACAAACTTCATCAAGCCCTCCAGGAAACTGAGCCCAATTACCAAGTCCTGATTCGCATCCTTATCTCT CGATGTGAGACTGACCTTCTGAGTATCAGAGCTGAGTTCAGGAAGAAATTTGGGAAGTCCCTCTACTCT TCTCTCCAGGATGCAGTGAAAGGGGATTGCCAGTCAGCCCTCCTGGCCTTGTGCAGGGCTGAAGACATG TGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_003568

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Insert Size:	1038 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_003568.2
RefSeq Size:	1843 bp
RefSeq ORF:	1038 bp
Locus ID:	8416
UniProt ID:	O76027
Cytogenetics:	1q21.3
Domains:	annexin
MW:	38.4 kDa

Gene Summary: The annexins are a family of calcium-dependent phospholipid-binding proteins. Members of the annexin family contain 4 internal repeat domains, each of which includes a type II calcium-binding site. The calcium-binding sites are required for annexins to aggregate and cooperatively bind anionic phospholipids and extracellular matrix proteins. This gene encodes a divergent member of the annexin protein family in which all four homologous type II calcium-binding sites in the conserved tetrad core contain amino acid substitutions that ablate their function. However, structural analysis suggests that the conserved putative ion channel formed by the tetrad core is intact. [provided by RefSeq, Jul 2008]