

Product datasheet for **SC215800**

Adducin 2 (ADD2) (NM_017488) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Adducin 2 (ADD2) (NM_017488) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ADD2
Synonyms:	ADDB
ACCN:	NM_017488
Insert Size:	2000 bp



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Insert Sequence: >SC215800 3'UTR clone of NM_017488
 The sequence shown below is from the reference sequence of NM_017488. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGAAGGAGGCAGAGACAAAGAGCCCTTTAGTCTCTCCTTCCAAGTCTTTAGAGGAAGGTTACTAAGAAGA
CAGAAACAAGCAAAGCCGCCACACAGAGCCGAAACAACCCAGCCGGAAGGGTGGTGGTCAACCGGA
GGGAGGAGGAGCAGCGCAGAGGAAATCCTCAGCAAAGGCTGAGCCAGATGACCACAGTGCTGACA
CGGATGTTGATACCTCTAAGGACAAAACCGAGTCGGTCACCAGCGGCCCATGTCCCCAGAGGGCTCAC
CTTCCAAGTCTCCCTCAAAGAAGAAAAAGAAATCCGAACCCCTCCTTCTGAAAAAGAGCAAAAAAGA
AGGAGAAAAGTGGAGTCTGATTCATGACACCCTGGGCTCCCTCCTGCTCCTCTCTCTCCCTTC
CCTTCTCCCATCTCTGTCCCTGCAAGCACAGGGCTAAGGAGGGATAGAGTAGGACCCTGGACCACATTC
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TGCCCAAGGTCACACAGCTAGTTAGCGGCAGAGCCTGCACTCGAATTCAGGTCTCCTGACTTCCAGTCC
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GAGCCTAGGGCAAGAAGGCCAGAAATGGGCCGTGAGCTCTCACAGGCTCAGACTAAATCAGAGGTCAAG
GCTTCCCTGAGTAAGGTCCATTTCTCCAGGAATCCAATCTCCTGTGGATGGAGCTATCTCTACATT
TAAAAATCTCTTCTTTTCCACTTTGGGTCCCTGCCCTGCTGCTCAAAGTACTAGCCAAATGACCC
CTCCAACAGAAAGTAATCTTTGTCCCAAGGGCTGATGGCTTAGCTTGTACTACCCCAAACATTAACCC
TGAGCTTTCTTTCATGGAACCTCTTGAATGATGGATGGAAGAGCTATAAGAGGTGGTAGGCATAGGGGCA
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GTCAGGTTTCCCTGACCTTCCCTACCCCCAGAAACACTTGCTTACAGACCGAAACTGGCATCTTACT
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GAAAGCACCGTGTCTTGAAGAATATTTTTCTTTTATCTGACTATCGTGAAAAATATTTTTGAAAGTT
CTTAATCATAGTTTTCCACTTTTGGACCTTGCTATCTATAGACTGTGAGGCTTACATACATTAC
ATTCTTTAACCTCACAGTAATCCTTTGAGGGGGTAAGATCATTCCATTTTGTGGGTGAGGAAATG
ACCCCTAAAAATGATAATTGACTTGTCCAGCTGACTTGGCTAGAAAGATCTGGATCCTGGATTTGAAAT
CCAGGTCAGTCTGAGTCCAGAGCCCTTGTCTTAAACAGCTATGGTGAACAGACAACCTTAAATCCCCAG
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_017488.4](#)

Summary:

Adducins are heteromeric proteins composed of different subunits referred to as adducin alpha, beta and gamma. The three subunits are encoded by distinct genes and belong to a family of membrane skeletal proteins involved in the assembly of spectrin-actin network in erythrocytes and at sites of cell-cell contact in epithelial tissues. While adducins alpha and gamma are ubiquitously expressed, the expression of adducin beta is restricted to brain and hematopoietic tissues. Adducin, originally purified from human erythrocytes, was found to be a heterodimer of adducins alpha and beta. Polymorphisms resulting in amino acid substitutions in these two subunits have been associated with the regulation of blood pressure in an animal model of hypertension. Heterodimers consisting of alpha and gamma subunits have also been described. Structurally, each subunit is comprised of two distinct domains. The amino-terminal region is protease resistant and globular in shape, while the carboxy-terminal region is protease sensitive. The latter contains multiple phosphorylation sites for protein kinase C, the binding site for calmodulin, and is required for association with spectrin and actin. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jun 2010]

Locus ID:

119

MW:

74.9