

## Product datasheet for **SC213859**

### Adducin 2 (ADD2) (NM\_017483) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Adducin 2 (ADD2) (NM\_017483) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** ADD2  
**Synonyms:** ADDB; Adducin-2 (beta); adducin 2; adducin 2 (beta); beta adducin  
**ACCN:** NM\_017483  
**Insert Size:** 1341 bp  
**Insert Sequence:** >SC213859 3'UTR clone of NM\_017483  
The sequence shown below is from the reference sequence of NM\_017483. 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
AGCAAAAAGAAGGAGAAAGTGGAGTCCTGATTCATGACACCCCTTGGGCTCCCTCCTGCCTCCTCTCTCT
CCTCCCCTTCCCCTTCTCCCATCTCTGTCCCTGCAAGCACAGGGCTAAGGAGGGATAGAGTAGGACCCTG
GACCACATTCGGAAGGGGAACCTTAGAGATCACCCGACCAACCCTTCGTTTTACAGTTGCCAAGAGAAA
TCAGGTGACTTGCCCAAGGTCACACAGCTAGTTAGCGGCAGAGCCTGCACTCGAATTCAGGTCTCCTGA
CTTCCAGTCCAGTCTCTTCTACTACACAACACTGCCTAGTTGTGGGCTGCCTTTGTTGGATGCTGT
CCACCAATCTGAGCCTAGGGCAAGAAGGCCAGAAATGGGCCGTGAGCTCTCACAGGCTCAGACTAAATC
AGAGGTCAAGGCTTCCCCTGAGTAAGGTCCATTCTTCCCAGGAATCCAATCTCCTGTGGATGGAGCTA
TCTCTACATTTAAAAATCTTCTCTTTTCCACTTTGGGTCCTGCCCTGCTGCTCAAAGTGACTAGCC
AAATTGACCCCTCCAACAGAAAGTAATCTTTGTTCCCAAGGGCTGATGGCTTAGCTTGTACTACCCCAA
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CCCTTTGAATTGTGCATCTCAGGCACTTCAAACTAAAACCAAATTTAGCATAGGAAAAAGTTGTTTAA
TGCTCAGGGCAGAAATTTGGGGAAGTTGAAATCCTCTGTTGGCTTTGGGTTGTATAAGGAGGATCAAAA
CAACAGAGGAAATGCTGACTTTCTAGCTTTGCATGACACCTGGAGCAATGCACTGTACCTGCCTCACTC
CTGTCCAGTGGTCAAGTTTCCCCTGACCTTCCCTACCCCCAGAAACACTTGCTTACAGACCGAAACTG
GCATCTTACTCTTGGCACCTTGACTTGACCCTCTGAGGTTCCAACCTCAGTCATTCTTTGTCCAGCAGA
GGAGAATCAGAAATGAGCCCTTCAGGATTAATCCTCTTGACCAGCTCTCAGAGAAATGCTGGGTATCC
CTGTCTTCTCATGTTCTTCCGTGGGCATTGATTAATGAGCATTTGTTGGCTCCTAAAAATTAGACAAAT
CCATTCTTGAATAAAAAAAAAAAAAAAAAAAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_017483.2</a>
<b>Summary:</b>	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]
<b>Locus ID:</b>	119
<b>MW:</b>	49.3