

Product datasheet for **SC217206**

gamma Adducin (ADD3) (NM_001121) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	gamma Adducin (ADD3) (NM_001121) Human 3' UTR Clone
Symbol:	gamma Adducin
Synonyms:	ADDL; CPSQ3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001121
Insert Size:	1977 bp



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Insert Sequence: >SC217206 3'UTR clone of NM_001121
 The sequence shown below is from the reference sequence of NM_001121. 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
AACAAAAAAAAAGGAGAAAGTTGAGGCCATAAAAGTCTTTTTATAATTATTATTATAACAATGTGACA
TTGCACATCTAAATACCACATTTAAGTTGATCATTAAATATGCAATGGTAGATCAGATTGGGGGATGTAG
CAAAGTGGACTTTAAGAACTGGAAAGAGGTTTTACAAAAGAAAACTTTTCAGATTCATCTCTCATTTTA
TATGTCCAGAAATGGCTTTGAATTTTAAGCAATTACTAGTTTTAATTAGCTCTGCCCTCATGAAGTATT
ATTATAATTCACCATAAACAGCTATCTGTCTGAATTACTTCAGGCCTTCTCCATAATATCTGTTAGAAA
GAAATTGCCAGTGAGCAAGTGAGAATTTTTATTTCTCAATACCTGCTTCACTTGATAATCATATTATAA
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AAAAGATTCATTTGGAATTTTATTCACAGTATAAAATTTCTCACCTGAAGTAACTTTGTTCGCAAAA
AAGTTGTTTTAATAAACTATAATTTTTGAAAACTTCTTTTTTATTAGTTTAGAAAAGCCCTTATTTTT
CAACAAAGGGGATTTGTACACATAACATGGGTTATTTAGTTTAACTCTGGCAAAAAAAAAAAAAAAAA
TTTTGTATGTTGATGTTGTATACCGTTTCAGTATAAAAGTGCCTAAGCATATTAGCCAATCTTTTCAC
AGTAGAGCATACTTAAGGCTGCTGGTACTGAGTATACTAAATATAACTCCAGAATCCAGGGACTTGG
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TGTGAATATGCTTTTCCATAACTTTTTAAAAATATATATCTAAATGAATGCAATGTGCATAAATAT
TTTTTAAACATAACAGTGAACCTATTGCACCTTTTGTAAATGCCTCTATTTACTTGCTTTGGCATAAAGA
ATGAGCCAATGAACCTCTGTGCTGTGGAAAAATGTATAAATGTTATCTGATATTGCTCTTAGATGTA
ATGCTAATTAATGTTAAATCACAAATAACAGTATTTTAAATATA
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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_001121.4](#)

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 adducin gamma transcripts encoding different isoforms have been described. The functions of the different isoforms are not known. [provided by RefSeq, Jul 2008]

Locus ID:

120

MW:

77.5