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Product datasheet for SC210862

Adenosine Receptor A2a (ADORA2A) (NM_000675) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Adenosine Receptor A2a (ADORA2A) (NM_000675) Human 3' UTR Clone
Symbol:	Adenosine Receptor A2a
Synonyms:	A2aR; ADORA2; RDC8
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000675
Insert Size:	898 bp
Insert Sequence:	>SC210862 3'UTR clone of NM_000675 The sequence shown below is from the reference sequence of NM_000675. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CTGGCCCAGGATGGAGCAGGAGTGTCCTGATGATTCATGGAGTTTGCCCCTTCCTAAGGGAAGGAGATC TTTATCTTTCTGGTTGGCTTGACCAGTCACGTTGGGAGAAGAGAGAGAGTGCCAGGAGACCCTGAGGGC AGCCGGTTCCTACTTTGGACTGAGAGAAGGGAGCCCCAGGCTGGAGCAGCATGAGGCCCAGCAAGAAGG GCTTGGGTTCTGAGGAAGCAGATGTTTCATGCTGTGAGGCCTTGCACCAGGTGGGGGCCACAGCACCAG CAGCATCTTTGCTGGGCAGGGCCCAGCCCTCCACTGCAGAAGCATCTGGAAGCACCACCTTGTCTCCAC AGAGCAGCTTGGGCACAGCAGACTGGCCTGGCCCTGAGACTGGGGAGTGGCTCCAACAGCCTCCTGCCA CCCACACACCACTCTCCCTAGACTCTCCTAGGGTTCAGGAGCTGCTGGGCCCAGAGGTGACATTTGACT TTTTTCCAGGAAAAATGTAAGTGTGAGGAAACCCTTTTTATTTTATTACCTTTCACTCTCTGGCTGCTG GGTCTGCCGTCGGTCCTGCTGCTAACCTGGCACCAGAGCCTCTGCCCGGGGAGCCTCAGGCAGTCCTCT CCTGCTGTCACAGCTGCCATCCACTTCTCAGTCCCAGGGCCATCTCTTGGAGTGACAAAGCTGGGATCA AGGACAGGGAGTTGTAACAGAGCAGTGCCAGAGCATGGGCCCAGGTCCCAGGGGAGAGGTTGGGGCTGG CAGGCCACTGGCATGTGCTGAGTAGCGCAGAGCTACCCAGTGAGAGGCCTTGTCTAACTGCCTTTCCTT CTAAAGGGAATGTTTTTTTCTGAGATAAAATAAAAACGAGCCACATCGTGTTTTAAGCTTGTCCAAATGA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI

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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_000675.6

Summary: This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor (GPCR) superfamily, which is subdivided into classes and subtypes. The receptors are seven-pass transmembrane proteins that respond to extracellular cues and activate intracellular signal transduction pathways. This protein, an adenosine receptor of A2A subtype, uses adenosine as the preferred endogenous agonist and preferentially interacts with the G(s) and G(olf) family of G proteins to increase intracellular cAMP levels. It plays an important role in many biological functions, such as cardiac rhythm and circulation, cerebral and renal blood flow, immune function, pain regulation, and sleep. It has been implicated in pathophysiological conditions such as inflammatory diseases and neurodegenerative disorders. Alternative splicing results in multiple transcript variants. A read-through transcript composed of the upstream SPECC1L (sperm antigen with calponin homology and coiled-coil domains 1-like) and ADORA2A (adenosine A2a receptor) gene sequence has been identified, but it is thought to be non-coding. [provided by RefSeq, Jun 2013]

Locus ID: 135

MW: 33.1