

Product datasheet for **RC222013L2V**

Adenosine A1 Receptor (ADORA1) (NM_000674) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Adenosine A1 Receptor (ADORA1) (NM_000674) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | Adenosine A1 Receptor |
| Synonyms: | RDC7 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_000674 |
| ORF Size: | 978 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC222013). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_000674.1 |
| RefSeq Size: | 2900 bp |
| RefSeq ORF: | 981 bp |
| Locus ID: | 134 |
| UniProt ID: | P30542 |
| Cytogenetics: | 1q32.1 |
| Domains: | 7tm_1 |
| Protein Families: | Druggable Genome, GPCR, Transmembrane |



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Protein Pathways: Neuroactive ligand-receptor interaction

MW: 36.3 kDa

Gene Summary: The protein encoded by this gene is an adenosine receptor that belongs to the G-protein coupled receptor 1 family. There are 3 types of adenosine receptors, each with a specific pattern of ligand binding and tissue distribution, and together they regulate a diverse set of physiologic functions. The type A1 receptors inhibit adenylyl cyclase, and play a role in the fertilization process. Animal studies also suggest a role for A1 receptors in kidney function and ethanol intoxication. Transcript variants with alternative splicing in the 5' UTR have been found for this gene. [provided by RefSeq, Jul 2008]