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# Product datasheet for TR301258

## ADA2a (TADA2A) Human shRNA Plasmid Kit (Locus ID 6871)

### Product data:

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|---|---|
| **Product Type:** | shRNA Plasmids |
| **Product Name:** | ADA2a (TADA2A) Human shRNA Plasmid Kit (Locus ID 6871) |
| **Locus ID:** | 6871 |
| **Synonyms:** | ADA2; ADA2A; hADA2; KL04P; TADA2L |
| **Vector:** | pRS (TR20003) |
| **E. coli Selection:** | Ampicillin |
| **Mammalian Cell Selection:** | Puromycin |
| **Format:** | Retroviral plasmids |
| **Components:** | TADA2A - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 6871). 5µg purified plasmid DNA per construct<br>29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free. |
| **RefSeq:** | NM_001166105, NM_001291918, NM_001488, NM_133439, NM_133439.1, NM_133439.2, NM_133439.3, NM_001488.1, NM_001488.2, NM_001488.3, NM_001488.4, NM_001166105.1, NM_001166105.2, NM_001291918.1, BC001172, BC001172.1, BC011753, BM470857, NM_001166105.3, NM_001291918.2, NM_133439.4 |
| **UniProt ID:** | O75478 |
| **Summary:** | Many DNA-binding transcriptional activator proteins enhance the initiation rate of RNA polymerase II-mediated gene transcription by interacting functionally with the general transcription machinery bound at the basal promoter. Adaptor proteins are usually required for this activation, possibly to acetylate and destabilize nucleosomes, thereby relieving chromatin constraints at the promoter. The protein encoded by this gene is a transcriptional activator adaptor and has been found to be part of the PCAF histone acetylase complex. Several alternatively spliced transcript variants encoding different isoforms of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Oct 2009] |
| **shRNA Design:** | These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service. |

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**Performance Guaranteed:**

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).