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Product datasheet for SC204629

ADA (NM_000022) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ADA (NM_000022) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ADA
Synonyms:	ADA1
ACCN:	NM_000022
Insert Size:	342 bp
Insert Sequence:	>SC204629 3'UTR clone of NM_000022 The sequence shown below is from the reference sequence of NM_000022. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCTTCAGCCTCTGCAGGGCAGAACCTCTGAAGACGCCACTCCTCCAAGCCTTCACCCTGTGGAGTCACC CCAACTCTGTGGGGCTGAGCAACATTTTTACATTTATTCCTTCCAAGAAGACCATGATCTCAATAGTCA GTTACTGATGCTCCTGAACCCTATGTGTCCATTTCTGCACACACGTATACCTCGGCATGGCCGCGTCAC TTCTCTGATTATGTGCCCTGGCCAGGGACCAGCGCCCTTGCACATGGGCATGGTTGAATCTGAAACCCT CCTTCTGTGGCAACTTGTACTGAAAATCTGGTGCTCAATAAAGAAGCCCATGGCTGGTGGCATGCA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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_000022.4

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Summary: This gene encodes an enzyme that catalyzes the hydrolysis of adenosine to inosine in the purine catabolic pathway. Various mutations have been described for this gene and have been linked to human diseases related to impaired immune function such as severe combined immunodeficiency disease (SCID) which is the result of a deficiency in the ADA enzyme. In ADA-deficient individuals there is a marked depletion of T, B, and NK lymphocytes, and consequently, a lack of both humoral and cellular immunity. Conversely, elevated levels of this enzyme are associated with congenital hemolytic anemia. [provided by RefSeq, Sep 2019]

Locus ID: 100

MW: 12.5