

Product datasheet for SC335819

ADA2 (NM_001282229) Human Untagged Clone

Product data:

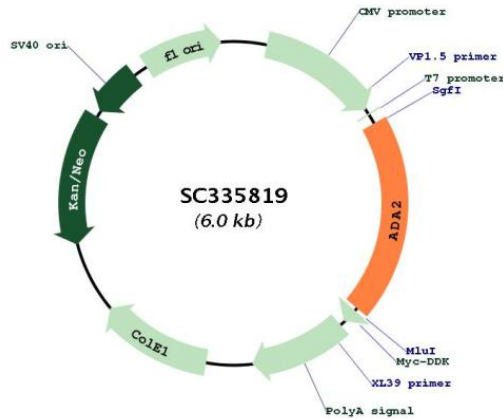
Product Type:	Expression Plasmids
Product Name:	ADA2 (NM_001282229) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADA2
Synonyms:	ADGF; CECR1; IDGFL; PAN; SNEDS; VAIHS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335819 representing NM_001282229. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACTGGCTGGTGAGGAATGTCACCTACAGGCCTCACTGCCACATCTGTTTCACCCCAAGGGGGATC
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TACGAGGACAACGTGCTCTACATGGAGATCAGAGCCAGGCTGCTGCCGGTGTATGAGCTCAGTGGAGAG
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ATCCGAATGGCCATGGGGCTCCGAATCAAGTTCACCCACGGTGGTGGCAGGGTTTACCTGGTGGGGCAT
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GAGAAAAATACTTTCATGGAATCTGGAAGAAGAGATGGGATAAGTTCATAGCAGATGTGGCTACAAAG
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001282229

Insert Size: 1176 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001282229.1](#)

RefSeq Size: 4142 bp

RefSeq ORF: 1176 bp

Locus ID: 51816

UniProt ID: [Q9NZK5](#)

Cytogenetics: 22q11.1

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

MW: 45.4 kDa

Gene Summary:

This gene encodes a member of a subfamily of the adenosine deaminase protein family. The encoded protein is one of two adenosine deaminases found in humans, which regulate levels of the signaling molecule, adenosine. The encoded protein is secreted from monocytes undergoing differentiation and may regulate cell proliferation and differentiation. This gene may be responsible for some of the phenotypic features associated with cat eye syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Transcript Variant: This variant (7) differs in its 5' UTR, and initiates translation at a downstream start codon, compared to variant 3. The encoded isoform (d) has a shorter N-terminus, compared to isoform a.