

Product datasheet for **SC110465**

CECR1 (NM_017424) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | CECR1 (NM_017424) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | CECR1 |
| Synonyms: | ADA2; ADGF; IDGFL |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_017424, the custom clone sequence may differ by one or more nucleotides |

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ATGTTGGTGGATGGCCCATCTGAGCGGCCAGCCCTGTGCTTCTTGCTGTTGGCTGTGGCAATGTCTTTCT
TCGGCTCAGCTCTATCCATAGATGAAACACGGGCGCATCTGTTGTTGAAAGAAAAGATGATGCGGCTGGG
GGGGCGGCTGGTCTGAATACCAAGGAGGAGCTGGCCAATGAGAGGCTCATGACGCTCAAAATCGCTGAG
ATGAAGGAGGCCATGAGGACCCTGATATCCCACCCAGCATGCACCTTTTTCCAGGCCAAGCATCTCATTG
AGAGAAGTCAAGTGTAAATATTCTAAGGATGATGCCAAAAGGGGCTGCCTTGACCTCCATGACATTGG
CATCGTGACTATGGACTGGCTGGTGAAGATGTCACCTACAGGCCTCACTGCCACATCTGTTTCACCCCA
AGGGGGATCATGCAGTTCAGATTTGCTCACCCAACTCCCGTCCATCAGAAAAATGTTCCAAGTGGATTC
TGCTGGAGGATTATCGGAAGCGGGTGCAGAACGCTCACTGAGTTTGATGACAGCTTGCTGAGGAATTCAC
TCTGGTGACCCAGCACCCGGAGGTGATTTACACAAACAAAATGTTGCTGGTCGAAATTTGAAACCATC
TTCTTCACCATCTCTGGTCTCATCCATTACGCACCAAGTGTTCAGAGACTATGCTTCCGGAGCATGCAGG
AGTTTACGAGGACAACGTGCTCTACATGGAGATCAGAGCCAGGCTGCTGCCGGTGTATGAGCTCAGTGG
AGAGCACCATGACGAAGAGTGGTCAGTGAAGACTTACCAGGAAGTAGCTCAGAAGTTTGTGGAACTCAC
CCTGAGTTTATTGGAATCAAAATCATTATTTCGGATCACAGATCCAAAGATGTGGCTGTATCGCAGAAT
CCATCCGAATGGCCATGGGGCTCCGAATCAAGTCCCCACGGTGGTGGCAGGGTTTGACCTGGTGGGGCA
TGAGGACACTGGCCACTCCTTGATGACTACAAGGAAGCTGATGATCCCCGCAAGGATGGCGTTAAG
CTGCCTTACTTCTCCACGCGGAGAAACAGACTGGCAGGGTACTTCCATAGACAGGAACATTCTGGATG
CTCTGATGCTGAACACTACCAGAATCGGCCATGGATTTGCTTTGAGCAAAACACCCCGCAGTCAGGACTTA
CTCCTGAAAAAGGACATCCCCATAGAAGTCTGTCCCCTCTAACCAGGTGCTGAAACTGGTGTCTGAC
TTGAGGAACACCCTGTAGCCACTCTGATGGCCACTGGGCACCCCATGGTATCAGCTCTGATGACCCAG
CTATGTTTGGTGC AAAGCTTGTCTATGATTCTATGAGGTCTTCATGGGCATTGGGGGGATGAAGGC
TGACCTGAGGACCCTCAAACAGCTGGCCATGAAGTCTATCAAGTACAGTACCCTGTTGGAGAGTGAGAAA
AATACTTTCATGGAATCTGGAAGAAGAGATGGGATAAGTTCATAGCAGATGTGGCTACAAAGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017424 unedited
 TTTCCCGCCCGTTGNAGCATAGGGCGGTAGGCGTGACGGTGGGAGGTCTATATAAGCA
 GAGCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGCGAA
 TTCGGCACGAGGCGAGTCCCGTGGAGTCTCCATCTGAGCCCTTCTAGTCCAGGCATCC
 CGATGTTGGTGGATGGCCATCTGAGCGCCAGCCCTGTGCTTCTTGCTGTTGGCTGTGG
 CAATGTCTTCTCGGCTCAGCTCTATCCATAGATGAAACACGGGCGCATCTGTTGTTGA
 AAGAAAAGATGATGCGGCTGGGGGGCGGCTGGTGTGAATACCAAGGAGGAGCTGGCCA
 ATGAGAGGCTCATGACGCTCAAAATCGCTGAGATGAAGGAGCCATGAGGACCCTGATAT
 TCCCACCCAGCATGCACTTTTTCCAGGCCAAGCATCTCATTGAGAGAAGTCAAGTGTTTA
 ATATTCTAAGGATGATGCCAAAAGGGGCTGCCTTGACCTCCATGACATTGGCATCGTGA
 CTATGGACTGGCTGGTGAAGAAATGTCACCTACAGGCTCACTGCCACATCTGTTTCAACC
 CAAGGGGATCATGCAGTTCAGATTTGCTCACCAACTCCCCGTCCATCAGATAAATGTT
 CCAAGTGGATTCTGCTGGANGATTATCGGAAGCGGCTGCAGAACGTCAGTGTGATG
 ACAGCTTGCTGANGAATTTCACTCTGGTACCCAGCACCCGAGTGTATTACACAAACC
 ANAATGTTGTCTGGTGAATTAGAACCATCTTCTTACATCTCTGGTCTCATCCATACG
 CACCAGTGGTCAAAGACCTATGTCTCCAGAGCATGCAAGAGTTCTACGATGGACAGTGC
 TCTACATGGAGATCANAACCCAGCTGCTGCCNGTGTATGAACTCANTGGAAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017424 unedited
 AGCGCGGCGCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTAAATGCATTGTTTATTG
 AGTACTAACTAGCTTTGGGCCAGGCTCTGGGTTAGCAGCATGCGTGAAACAATCAGAAA
 CAATCATGAGCGCTGCCACATGGGCGATACAGTCTGGCAGGGCAAGACTGTAGACACA
 GAAATAAATATCCGATTATAAGCTGTGATTAGAGGCATGATGGAAAAGAGCAAGGCTTCC
 TGAGAGAAAACAGGGCGAGCACAGGAAAACCTCTCTGAGACAGTGACATGAACTTGAACT
 TGAAGGGTAAACAGGAGTGGGCAAGACAAAAGGGGAAAGAAGGAATCTTCCAGGCAGAGA
 GAAAGAGAAAAGACCCAGGCACGGTATAGAGCCGAGGACATTTGAGGAAGAAAGGGCCGC
 CGGGGTTGGGGCCCTCTGGGTGACTGGGAGAGGAAGGCGCCGGAATGGATCCAGATTA
 TCGGATGCTGTATGCCCTGTGGAGACATGGGGTGTACCTTAAACGCACTGCGTTGTAAG
 CAAAGGAGTGACCTGATTAATTTGATCTTTTAAAAGTCATTCTANGCCAGGCCGGTGG
 CTCACGCTGTAATCCCAGTGTCTTTGGAGGCCAAGCGGGTGGACCACGAAGTCAGGTG
 TTCGAGACCACCCTGGCCACATAGTGAACCCCATCTCTACTAAAAATACAAAATTATCT
 CGGGCTGGGGGTGCCTGCTGGTATCCCAACTTCTCAAGAAGGGCGAGGGCCGAAAATCCC
 CTTGAACCCGGGAAGGTGGAGTTCGAATGACCCGAAATCCCCCTTGCATTTACCCCTG
 TGCAACAAAGACAGACTCCTTTCTAAACAAAAAACAACAACCAATGTTTTCTCTCT
 GGGAAAAGACTTGGGGGGCCCCGGACAACGGTATACCTTCGGN

Restriction Sites:

NotI-NotI

ACCN:

NM_017424

Insert Size:

4080 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_017424.2](#), [NP_059120.2](#)

RefSeq Size: 3947 bp

RefSeq ORF: 1536 bp

Locus ID: 51816

Cytogenetics: 22q11.1

Domains: A_deaminase

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

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 (1) represents the longer transcript, and encodes the longer isoform (a).