

Product datasheet for **RC228426**

CD39 (ENTPD1) (NM_001164178) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD39 (ENTPD1) (NM_001164178) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CD39
Synonyms:	ATPDase; CD39; NTPDase-1; SPG64
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC228426 representing NM_001164178
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGAGGGAAGAAGTCTTCTGACTTTCAGTTTTTCGAGCGGGTTTCAAGAGTCTAACGTGAAGACAT
 TTTGCTCCAAGAATATCCTAGCCATCCTTGCTTCTCCTCTATCATAGCTGTGATAGCTTTGCTTGTCTGT
 GGGGTTGACCCAGAACAAAGCATTGCCAGAAAACGTTAAGTATGGGATTGTGCTGGATGCGGGTTCTTCT
 CACACAAGTTTATACATCTATAAGTGGCCAGCAGAAAAGGAGAATGACACAGGCGTGGTGCATCAAGTAG
 AAGAATGCAGGGTTAAAGGTCCTGGAATCTCAAAATTTGTTAGAAAAGTAAATGAAATAGGCATTTACCT
 GACTGATTGCATGAAAGAGCTAGGGAAGTGATCCAAGTCCCAGCACCAAGAGACACCCGTTTACCTG
 GGAGCCACGGCAGGCATGCGGTTGCTCAGGATGGAAAGTGAAGAGTTGGCAGACAGGGTTCTGGATGTTG
 TGGAGAGGAGCCTCAGCAACTACCCCTTTGACTTCCAGGGTGCCAGGATCATTACTGGCCAAGAGGAAGG
 TGCCTATGGCTGGATTACTATCAACTATCTGCTGGCAAATTCAGTCAGAAAACAAGGTGGTTTCAGCATA
 GTCCCATATGAAACCAATAATCAGGAAACCTTTGGAGCTTTGGACCTTGGGGGAGCCTCTACACAAGTCA
 CTTTTGTACCCAAAACAGACTATCGAGTCCCAAGATAATGCTCTGCAATTTCCGCTCTATGGCAAGGA
 CTAACAATGTCTACACACATAGCTTCTTGTGCTATGGGAAGGATCAGGCACTCTGGCAGAACTGGCCAAG
 GACATTCAGGTTGCAAGTAAATGAAATCTCAGGGACCCATGCTTTCATCCTGGATATAAGAAGGTAGTGA
 ACGTAAGTGACCTTTACAAGACCCCTGCACCAAGAGATTTGAGATGACTTCCATTCCAGCAGTTTGA
 AATCCAGGGTATTGAAACTATCAACAATGCCATCAAAGCATCCTGGAGCTTCCAACACCAGTTACTGC
 CCTTACTCCAGTGTGCCTTCAATGGGATTTTCTGCCACCACTCCAGGGGGATTTGGGGCATTTCAG
 CTTTTACTTTGTGATGAAGTTTTTAACTTGACATCAGAGAAAGTCTCTCAGAAAAGGTGACTGAGAT
 GATGAAAAGATTCTGTGCTCAGCCTTGGGAGGAGATAAAAACATCTTACGCTGGAGTAAAGGAGAAGTAC
 CTGAGTGAATACTGCTTTTCTGGTACCTACATTCTCTCCCTCTTCTGCAAGGCTATCATTTCACAGCTG
 ATTCTGGGAGCACATCCATTTTATTGGCAAGATCCAGGGCAGCGACCCGGCTGGACTTTGGGCTACAT
 GCTGAACCTGACCAACATGATCCAGCTGAGCAACCATTGTCCACACCTCTCTCCACTCCACCTATGTC
 TTCCTCATGGTTCTATTCTCCCTGGTCTTTTACAGTGGCCATCATAGGCTTGCTTATCTTTCACAAGC
 CTTTCATATTTCTGGAAAGATATGGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228426 representing NM_001164178
 Red=Cloning site Green=Tags(s)

MGREELFLTFSSGFQESNVKTFCSKNILAILGFSSIIAVIALLAVGLTQNKALPENVKYGIIVLDAGSS
 HTSLYIYKWPAEKENDTGVVHQVEECRVKGPISKFVQKYNEIGIYLTDCMERAREVIPSQHQETPVYL
 GATAGMRLLRMESEELADRVLDVVERSLSNYPDFQGARIIITGQEEGAYGWITINYLLGKFSQKTRWFSI
 VPYETNNQETFGALDLGGASTQVTFVPQNTIESPDNALQFRLYGKDYNVYTHSFLCYGKDQALWQKLAK
 DIQVASNEILRDPCHPGYKVVVNSDLYKTPCTKRFEMTLPPQQFEIQGIGNYQQCHQSILELFNTSYC
 PYSQCAFNGIFLPLQGDGFAFSAFYFVMKFLNLTSEKVSQEKVTEMMKKFCAQPWEEIKTSYAGVKEKY
 LSEYCFSGTYIILSLLQGYHFTADSWEIHFIKIQGSDAGWTLGYMLNLTNMIPAEQPLSTPLSHSTYV
 FLMVLFSLVLFVVAIIIGLLIFHKPSYFWKDMV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8065_d04.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001164178

ORF Size: 1566 bp

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.

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_001164178.1](#), [NP_001157650.1](#)

RefSeq ORF: 1569 bp

Locus ID: 953

UniProt ID: [P49961](#)

Cytogenetics: 10q24.1

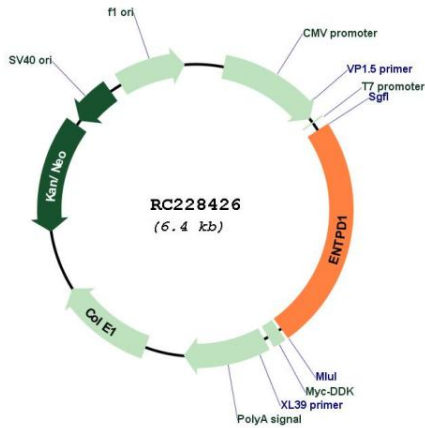
Protein Families: Transmembrane

Protein Pathways: Purine metabolism, Pyrimidine metabolism

MW: 59.1 kDa

Gene Summary: The protein encoded by this gene is a plasma membrane protein that hydrolyzes extracellular ATP and ADP to AMP. Inhibition of this protein's activity may confer anticancer benefits. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2015]

Product images:



Circular map for RC228426