

Product datasheet for **RG214505**

CD39 (ENTPD1) (NM_001098175) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD39 (ENTPD1) (NM_001098175) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD39
Synonyms:	ATPDase; CD39; NTPDase-1; SPG64
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG214505 representing NM_001098175
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGGGAACCAAGACCTGACAAGCCAGCAGAAGGAGTCTAACGTGAAGACATTTTCTCCAAGAATA
 TCCTAGCCATCCTTGCCCTCTCCTCATAGCTGTGATAGCTTTGCTTGTGGGTTGACCCAGAA
 CAAAGCATTGCCAGAAAACGTTAAGTATGGGATTGTGCTGGATGCGGGTCTTCTCACACAAGTTTATAC
 ATCTATAAGTGGCCAGCAGAAAAGGAGAATGACACAGGCGTGGTGCATCAAGTAGAAGAATGCAGGGTTA
 AAGGCTCTGGAATCTCAAAATTTGTTTCAGAAAAGTAAATGAAATAGGCATTTACCTGACTGATTGCATGGA
 AAGAGCTAGGGAAGTATTCCAAGGTCCAGCACCAAGAGACACCCGTTTACCTGGGAGCCACGGCAGGC
 ATGCGGTTGCTCAGGATGAAAGTGAAGAGTTGGCAGACAGGGTCTGGATGTGGTGGAGAGGAGCCTCA
 GCAACTACCCCTTGACTTCCAGGGTCCAGGATCATTACTGGCCAAGAGGAAGGTGCCTATGGCTGGAT
 TACTATCAACTATCTGCTGGGCAAAATTCAGTCAGAAAACAAGGTGGTTCAGCATAGTCCCATATGAAACC
 AATAATCAGGAAACCTTTGGAGCTTTGGACCTTGGGGGAGCCTCTACACAAGTCACTTTTGTACCCAAA
 ACCAGACTATCGAGTCCCAGATAATGCTCTGCAATTTCCGCTCTATGGCAAGGACTACAATGTCTACAC
 ACATAGCTTCTTGCTATGGGAAGGATCAGGCACTCTGGCAGAAAAGTGGCAAGGACATTCAGGTTGCA
 AGTAATGAAATTCAGGGACCCATGCTTTCATCCTGGATATAAGAAGGTAGTGAACGTAAGTGACCTTT
 ACAAGACCCCTGCACCAAGAGATTTGAGATGACTCTCCATTCCAGCAGTTTGAATCCAGGGTATTGG
 AAATAATCAACAATGCCATCAAAGCATCCTGGAGCTCTTCAACACCAGTTACTGCCCTTACTCCCAGTGT
 GCCTTCAATGGGATTTTCTTCCACCCTCCAGGGGATTTTGGGCATTTTTCAGCTTTTACTTTGTGA
 TGAAGTTTTTAACTTGACATCAGAGAAAGTCTCTCAGAAAAGGTGACTGAGATGATGAAAAAGTTCTG
 TGCTCAGCCTTGGGAGGAGATAAAAACATCTTACGCTGGAGTAAAGGAGAAGTACCTGAGTGAATACTGC
 TTTTCTGGTACCTACATTCTCTCCCTCTCTGCAAGGCTATCATTTTACAGCTGATTCTGGGAGCACA
 TCCATTTTATTGGCAAGATCCAGGGCAGCGACCGGCTGGACTTTGGGCTACATGCTGAACCTGACCAA
 CATGATCCAGCTGAGCAACCATGTCCACACCTCTCTCCACTCCACCTATGTCTTCTCATGTTCTA
 TTCTCCCTGGTCTTTTACAGTGGCCATCATAGGCTTGCTTATCTTTCACAAGCCTTCATATTTCTGGA
 AAGATATGGTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG214505 representing NM_001098175
 Red=Cloning site Green=Tags(s)

MKGTKDLTSQKESNVKTFCSKNILAILGFSSIIAVIALAVGLTQNKALPENVKYGIIVLDAGSSHTSLY
 IYKWPAEKENDTGVVHVQVEECRVKGPISKFVQKVNEIGIYL TDCMERAREVIPSQHQETPVYLGATAG
 MRLLRMESEELADRVLDVVERSLSNYPDFQGARIITGQEEGAYGWITINYLLGKFSQKTRWFSIVPYET
 NNQETFGALDLGGASTQVTFVPQNQTIESPDNALQFRL YGKDYNVYTHSFLCYGKDQALWQKLAKDIQVA
 SNEILRDPFHPGYKVVVNSDLYKTPCTKRFEMTLPFQQFEIQGIGNYQQCHQSILELFNTSYCPYSQC
 AFNGIFLPLQGDGFAFSAFYFVMKFLNLTSEKVSQEKVTEMMKFCAPWEEIKTSYAGVKEKYLSEYC
 FSGTYILSLLQGYHFTADSWEHIHFIGKIQGS DAGWTLGYMLNLTNMIPAEQPLSTPLSHSTYVFLMVL
 FSLVLFVVAIIGLLIFHKPSYFWKDMV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001098175

ORF Size: 1551 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_001098175.2](#)

RefSeq Size: 12615 bp

RefSeq ORF: 1554 bp

Locus ID: 953

UniProt ID: [P49961](#)

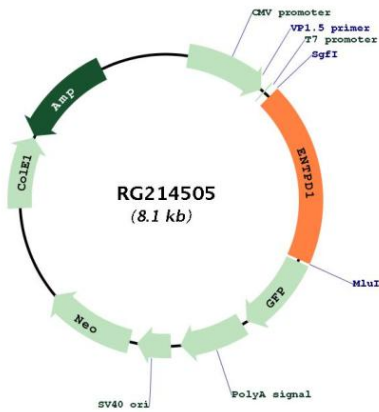
Cytogenetics: 10q24.1

Protein Families: Transmembrane

Protein Pathways: Purine metabolism, Pyrimidine metabolism

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 RG214505