

Product datasheet for **RG228321**

CD39 (ENTPD1) (NM_001164181) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD39 (ENTPD1) (NM_001164181) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ENTPD1
Synonyms:	ATPDase; CD39; NTPDase-1; SPG64
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228321 representing NM_001164181 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGAGCTAGGGAAGTGATTCCAAGGTCCCAGCACCAAGAGACACCCGTTTACCTGGGAGCCACGG
CAGGCATGCGGTTGCTCAGGATGAAAGTGAAGAGTTGGCAGACAGGGTTCTGGATGTGGTGGAGAGGAG
CCTCAGCAACTACCCCTTTGACTTCCAGGGTGCCAGGATCATTACTGGCCAAGAGGAAGGTGCTATGGC
TGGATTACTATCAACTATCTGCTGGCAAATTCAGTCAGAAAACAAGGTGGTTCAGCATAGTCCCATATG
AAACCAATAATCAGGAAACCTTTGGAGCTTTGGACCTTGGGGGAGCCTCTACACAAGTCACTTTTGTACC
CCAAAACCAGACTATCGAGTCCCCAGATAATGCTCTGCAATTTGCGCTCTATGGCAAGGACTACAATGTC
TACACACATAGCTTCTTGTGCTATGGGAAGGATCAGGCACTCTGGCAGAACTGGCCAAGGACATTCAGG
TTGCAAGTAATGAAATTCTCAGGGACCCATGCTTTCATCTGGATATAAGAAGGTAGTGAACGTAAGTGA
CCTTTACAAGACCCCTGCACCAAGAGATTTGAGATGACTCTTCCATTCCAGCAGTTTGAATCCAGGGT
ATTGAAACTATCAACAATGCCATCAAAGCATCCTGGAGCTCTTCAACACCAGTTACTGCCCTTACTCCC
AGTGTGCCTTCAATGGGATTTTCTTCCACCCTCCAGGGGATTTTGGGCATTTTCACTTTTACTT
TGTGATGAAGTTTTTAACTTGACATCAGAGAAAGTCTCTCAGGAAAAGGTGACTGAGATGATGAAAAAG
TTCTGTGCTCAGCCTTGGGAGGAGATAAAAACATCTTACGCTGGAGTAAAGGAGAAGTACCTGAGTGAAT
ACTGCTTTTCTGGTACCTACATTCTCCCTCCTTCTGCAAGGCTATCATTTTACAGCTGATTCCTGGGA
GCACATCCATTTTATTGGCAAGATCCAGGGCAGCGACGCCGGCTGGACTTTGGGCTACATGCTGAACCTG
ACCAACATGATCCAGCTGAGCAACCATTTGCCACACCTCTCTCCACTCCACCTATGTCTTCTCATGG
TTCTATTCTCCCTGGTCTTTTACAGTGGCCATCATAGGCTTGCTTATCTTTACAAGCCTTCATATTT
CTGGAAAGATATGGTA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG228321 representing NM_001164181
Red=Cloning site Green=Tags(s)

MERAREVIPRSQHQETPVYLGATAGMRLLRMESEELADRVLDDVVERLSNYPFDQGARIIITGQEEGAYG
 WITINYLKGFSSQKTRWFSIVPYETNNQETFGALDLGGASTQVTFVPQNQTIESPDNALQFRLYGKDYNV
 YTHSFLCYGKDQALWQKLAKDIQVASNEILRDPCHFPGYKVVNVSDLYKTPCTKRFEMTLPFQQFEIQG
 IGNYQQCHQSILELFNTSYCPYSQCAFNGIFLPLPQQDFGAFSAFYFVMKFLNLTSEKVSQEKVTEMMKK
 FCAQPWEEIKTSYAGVKEKYLSEYCFSGTYILSLLLQGYHFTADSWEHIHFIGKIQGS DAGWTLGYMLNL
 TNMIPAEQPLSTPLSHSTYVFLMVLFSLVLFVTAIIGLLIFHKPSYFWKDMV

TRTRPLE - GFP Tag - V

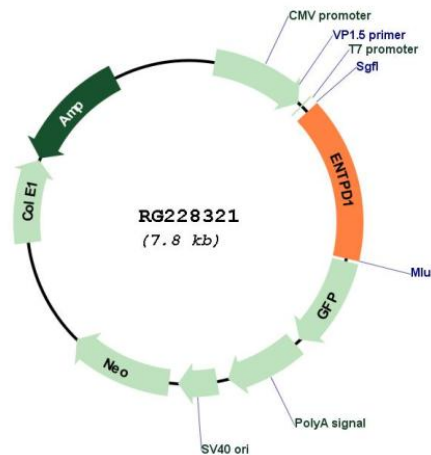
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001164181

ORF Size:	1206 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none">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_001164181.1 , NP_001157653.1
RefSeq Size:	12387 bp
RefSeq ORF:	1209 bp
Locus ID:	953
UniProt ID:	P49961
Cytogenetics:	10q24.1
Protein Families:	Transmembrane
Protein Pathways:	Purine metabolism, Pyrimidine metabolism
Gene Summary:	<p>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]</p>