

## Product datasheet for **RG228856**

### CD39 (ENTPD1) (NM\_001164182) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD39 (ENTPD1) (NM_001164182) 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:	>RG228856 representing NM_001164182 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAAGTGAAGAGTTGGCAGACAGGGTCTGGATGTGGTGGAGAGGAGCCTCAGCAACTACCCCTTTG  
ACTTCCAGGGTGCAGGATCATTACTGGCCAAGAGGAAGGTGCCTATGGCTGGATTACTATCAACTATCT  
GCTGGGCAAATTCAGTCAGAAAACAAGGTGGTTCAGCATAGTCCCATATGAAACCAATAATCAGGAAACC  
TTTGGAGCTTTGGACCTTGGGGGAGCCTCTACACAAGTCACTTTTGTACCCAAAACCAGACTATCGAGT  
CCCCAGATAATGCTCTGCAATTTGCCTCTATGGCAAGGACTACAATGTCTACACACATAGCTTCTTG  
CTATGGGAAGGATCAGGCACTCTGGCAGAACTGGCCAAGGACATTCAGGTTGCAAGTAATGAAATCTC  
AGGGACCCATGCTTTCATCCTGGATATAAGAAGGTAGTGAACGTAAGTGACCTTTACAAGACCCCTGCA  
CCAAGAGATTTGAGATGACTCTTCCATTCCAGCAGTTTGAATCCAGGGTATTGGAACTATCAACAATG  
CCATCAAAGCATCCTGGAGCTCTTAACACCAGTTACTGCCCTTACTCCCAGTGTGCCTTCAATGGGATT  
TTCTTGCCACCACTCCAGGGGATTTTGGGGCATTTCAGCTTTTACTTTGTGATGAAGTTTTAACT  
TGACATCAGAGAAAGTCTCTCAGGAAAAGGTGACTGAGATGATGAAAAAGTTCTGTGCTCAGCCTTGGGA  
GGAGATAAAAACATCTTACGCTGGAGTAAAGGAGAAGTACCTGAGTGAATACTGCTTTTCTGGTACCTAC  
ATTCTCTCCCTCTTCTGCAAGGCTATCATTTCACAGCTGATTCCTGGGAGCACATCCATTTTCATTGGCA  
AGATCCAGGGCAGCGACGCCGGCTGGACTTTGGGCTACATGCTGAACCTGACCAACATGATCCCAGCTGA  
GCAACCATTGTCCACACCTCTCTCCCACTCCACCTATGTCTTCTCATGTTTCTATTCTCCCTGGTCTCT  
TTCACAGTGGCCATCATAGGCTTCTTATCTTTCACAAGCCTTCAATTTCTGGAAGATATGGTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG228856 representing NM\_001164182  
 Red=Cloning site Green=Tags(s)

MESEELADRVLDVVERSLSNYPDFQGARIITGQEEGAYGWITINYLKGFSSQKTRWFSIVPYETNNQET  
 FGALDLGGASTQVTFVPQNQTIESPNDALQFRLYGKDYNVYTHSFLCYGKDQALWQKLAKDIQVASNEIL  
 RDPFCFHPGYKKVVNVSDLYKTPCTKRFEMLLPFQQFEIQGIGNYQQCHQSILELFNTSYCPYSQCAFNGI  
 FLPLPLQGDGFAFSAFYFVMKFLNLTSEKVSQEKVTEMMKKFCAQPWEEIKTSYAGVKEKYLSEYCFSGTY  
 ILSLLLQGYHFTADSWEHIFHIGKIQGS DAGWTLGYMLNLTNMIPAEQPLSTPLSHSTYVFLMVLFSLVL  
 FTVAIIGLLIFHKPSYFWKDMV

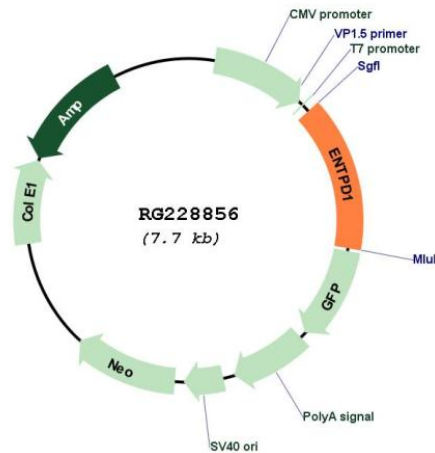
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001164182

<b>ORF Size:</b>	1116 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001164182.2</a>
<b>RefSeq Size:</b>	12589 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	953
<b>UniProt ID:</b>	<a href="#">P49961</a>
<b>Cytogenetics:</b>	10q24.1
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Purine metabolism, Pyrimidine metabolism
<b>Gene Summary:</b>	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]