

Product datasheet for **RG228857**

CD39 (ENTPD1) (NM_001164183) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD39 (ENTPD1) (NM_001164183) 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:	>RG228857 representing NM_001164183 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAAGTGAAGAGTTGGCAGACAGGGTCTGGATGTGGTGGAGAGGAGCCTCAGCAACTACCCCTTTG
ACTTCCAGGGTGCAGGATCATTACTGGCCAAGAGGAAGGTGCCTATGGCTGGATTACTATCAACTATCT
GCTGGGCAAATTCAGTCAGAAAACAAGGTGGTTCAGCATAGTCCCATATGAAACCAATAATCAGGAAACC
TTTGGAGCTTTGGACCTGGGGGAGCCTCTACACAAGTCACTTTTGTACCCAAAACCAGACTATCGAGT
CCCCAGATAATGCTCTGCAATTTGCCTCTATGGCAAGGACTACAATGTCTACACACATAGCTTCTGTG
CTATGGGAAGGATCAGGCACTCTGGCAGAACTGGCCAAGGACATTCAGGTTGCAAGTAATGAAATCTC
AGGGACCCATGCTTTCATCCTGGATATAAGAAAGTGTGAACGTAAGTGACCTTTACAAGACCCCTGCA
CCAAGAGATTTGAGATGACTCTTCCATTCCAGCAGTTTGAATCCAGGGTATTGGAACTATCAACAATG
CCATCAAAGCATCCTGGAGCTCTTAACACCAGTTACTGCCCTTACTCCCAGTGTGCCTTCAATGGGATT
TTCTTGCCACCACTCCAGGGGATTTTGGGGCATTTCAGCTTTTACTTTGTGATGAAGTTTTAACT
TGACATCAGAGAAAGTCTCTCAGGAAAAGGTGACTGAGATGATGAAAAAGTTCTGTGCTCAGCCTTGGGA
GGAGATAAAAACATCTTACGCTGGAGTAAAGGAGAAGTACCTGAGTGAATACTGCTTTTCTGGTACCTAC
ATTCTCTCCCTCTTCTGCAAGGCTATCATTTCCAGCTGATTCCTGGGAGCACATCCATTTTCATTGGCA
AGATCCAGGGCAGCGACGCCGGCTGGACTTTGGGCTACATGCTGAACCTGACCAACATGATCCCAGCTGA
GCAACCATTGTCCACACCTCTCTCCCACTCCACCTATGTCTTCTCATGTTTCTATTCTCCCTGGTCTCT
TTCACAGTGGCCATCATAGGCTTCTTATCTTTCACAAGCCTTCAATTTCTGAAAGATATGGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228857 representing NM_001164183
 Red=Cloning site Green=Tags(s)

MESEELADRVLDVVERSLSNYPDFQGARIIITGQEEGAYGWITINYLKGFSSQKTRWFSIVPYETNNQET
 FGALDLGGASTQVTFVPQNQTIESPNDALQFRLYGKDYNNVYTHSFLCYGKDQALWQKLAQDIQVASNEIL
 RDPFCFHPGYKKVVNVSDLYKTPCTKRFEMLLPFQQFEIQIGNYQQCHQSILELFNTSYCPYSQCAFNGI
 FLPLPQGDGAFSAFYFVMKFLNLTSEKVSQEKVTEMMKKFCAQPWEEIKTSYAGVKEKYLSEYCFSGTY
 ILSLLLQGYHFTADSWEHIFHIGKIQGS DAGWTLGYMLNLTNMIPAEQPLSTPLSHSTYVFLMVLFSLVL
 FTVAIIGLLIFHKPSYFWKDMV

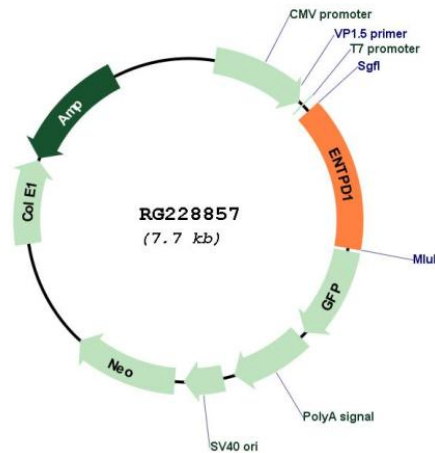
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001164183

ORF Size:	1116 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:	<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_001164183.2
RefSeq Size:	12471 bp
RefSeq ORF:	1119 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]