

Product datasheet for **SC327025**

CD39 (ENTPD1) (NM_001164179) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD39 (ENTPD1) (NM_001164179) Human Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >SC327025 representing NM_001164179.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGATACAAAGGAGTCTAACGTGAAGACATTTTGTCCAAGAATATCCTAGCCATCCTTGGCTTC
TCCTCTATCATAGCTGTGATAGCTTTGCTTGTGTGGGTTGACCCAGAACAAGCATTGCCAGAAAAC
GTTAAGTATGGGATTGTGCTGGATGCGGGTCTTCTCACACAAGTTTATACATCTATAAGTGGCCAGCA
GAAAAGGAGAATGACACAGGCGTGGTGCATCAAGTAGAAGAATGCAGGGTTAAAGGTCCTGGAATCTCA
AAATTTGTTTCAGAAAAGTAAATGAAATAGGCATTTACCTGACTGATTGCATGGAAAGAGCTAGGGAAGTG
ATTCCAAGGTCCCAGCACCAAGAGACACCCGTTTACCTGGGAGCCACGGCAGGCATGCGGTTGCTCAGG
ATGGAAGTGAAGAGTTGGCAGACAGGGTCTGGATGTGGTGGAGAGGAGCCTCAGCAACTACCCCTTT
GACTTCCAGGGTCCAGGATCATTACTGGCCAAGAGGAAGGTGCCTATGGCTGGATTACTATCAACTAT
CTGCTGGGCAAATTCAGTCAGAAAACAAGGTGGTTCAGCATAGTCCCATATGAAACCAATAATCAGGAA
ACCTTTGGAGCTTTGGACCTTGGGGAGCCTCTACACAAGTCACTTTTGTACCCAAAACCAGACTATC
GAGTCCCCAGATAATGCTCTGCAATTTTCGCTCTATGGCAAGGACTACAATGTCTACACACATAGCTTC
TTGTGCTATGGGAAGGATCAGGCACTCTGGCAGAACTGGCCAAGGACATTCAGCAGTTTGAAATCCAG
GGTATTGGAACTATCAACAATGCCATCAAAGCATCCTGGAGCTTTCAACACCAGTTACTGCCCTTAC
TCCCAGTGTGCCTTCAATGGGATTTTCTTGCCACCACTCCAGGGGATTTTGGGGCATTTTCAGCTTTT
TACTTTGTGATGAAGTTTTTAACTTGACATCAGAGAAAGTCTCTCAGGAAAAGGTGACTGAGATGATG
AAAAAGTTCTGTGCTCAGCCTTGGGAGGAGATAAAAACATCTTACGCTGGAGTAAAGGAGAAGTACCTG
AGTGAATACTGCTTTTCTGGTACCTACATTCTCCTCCTTCTGCAAGGCTATCATTTCACAGCTGAT
TCCTGGGAGCACATCCATTTTCATTGGCAAGATCCAGGGCAGCAGCCGGCTGGACTTTGGGCTACATG
CTGAACCTGACCAACATGATCCCAGCTGAGCAACCATTGTCCACACCTCTCTCCACTCCACCTATGTC
TTCTCATGTTCTATTCTCCTGGTCTTTTTCACAGTGCCATCATAGGCTTGCTTATCTTTCACAAG
CCTTCATATTTCTGGAAGATATGGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001164179

Insert Size: 1410 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001164179.1</u>
RefSeq Size:	12617 bp
RefSeq ORF:	1410 bp
Locus ID:	953
Cytogenetics:	10q24.1
Protein Families:	Transmembrane
Protein Pathways:	Purine metabolism, Pyrimidine metabolism
MW:	53.2 kDa
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> <p>Transcript Variant: This variant (4) uses an alternate in-frame splice site, compared to variant 1. The resulting isoform (4) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>