

## Product datasheet for **SC316234**

### CD39 (ENTPD1) (NM\_001098175) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD39 (ENTPD1) (NM_001098175) 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:** >SC316234 representing NM\_001098175.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAAGGGAACCAAGGACCTGACAAGCCAGCAGAAGGAGTCTAACGTGAAGACATTTTCTCCAAGAAT
ATCCTAGGCATCCTTGGCTTCTCCTCTATCATAGCTGTGATAGCTTTGCTTGCTGTGGGGTTGACCCAG
AACAAAGCATTGCCAGAAAACGTTAAGTATGGGATTGTGCTGGATGCGGGTCTTCTCACACAAGTTTA
TACATCTATAAGTGGCCAGCAGAAAAGGAGAATGACACAGGCGTGGTGCATCAAGTAGAAGAATGCAGG
GTTAAAGGTCCTGGAATCTCAAAATTTGTTTCAGAAAAGTAAATGAAATAGGCATTTACCTGACTGATTGC
ATGAAAGAGCTAGGGAAGTATTCCAAGTCCCAGCACCAAGAGACACCCGTTTACCTGGGAGCCACG
GCAGGCATGCGGTTGCTCAGGATGGAAGTGAAGAGTTGGCAGACAGGGTTCTGGATGTGGTGGAGAGG
AGCCTCAGCAACTACCCCTTTGACTTCCAGGGTCCAGGATCATTACTGGCCAAGAGGAAGTGCCTAT
GGCTGGATTACTATCAACTATCTGCTGGCAAATTCAGTCAGAAAACAAGGTGGTTCAGCATAGTCCCA
TATGAAACCAATAATCAGGAAACCTTTGGAGCTTTGGACCTTGGGGGAGCCTCTACACAAGTCACTTTT
GTACCCAAAACAGACTATCGAGTCCCGAGATAATGCTCTGCAATTTCCCTCTATGGCAAGGACTAC
AATGTCTACACATAGCTTCTTGTGCTATGGGAAGGATCAGGCACTCTGGCAGAAAAGTGGCAAGGAC
ATTCAGTTTGAAGTAATGAAATTTCTCAGGACCCATGCTTTCATCCTGGATATAAGAAGGTAGTGAAC
GTAAGTGACCTTTACAAGACCCCTGCACCAAGAGATTGAGATGACTCTTCCATTCCAGCAGTTTGAA
ATCCAGGATTTGAAATATCAACAATGCCATCAAAGCATCCTGGAGCTTTCACACCAGTTACTGC
CCTTACTCCAGTGTGCCTTCAATGGGATTTTCTTCCACCCTCCAGGGGATTTTGGGGCATTTCAC
GCTTTTACTTTGTGATGAAGTTTTAACTTGACATCAGAGAAAGTCTCTCAGGAAAAGGTGACTGAG
ATGATGAAAAAGTTCTGTGCTCAGCCTTGGGAGGAGATAAAAACATCTTACGCTGGAGTAAGGAGAAG
TACCTGAGTGAATACTGCTTTTCTGGTACTACATTCTCCCTCCTTCTGCAAGGCTATCATTTTACA
GCTGATTCTGGGAGCACATCCATTTTATTGGCAAGATCCAGGGCAGCGACGCCGCTGGACTTTGGGC
TACATGCTGAACCTGACCAACATGATCCAGCTGAGCAACCATTGTCCACACCTCTCTCCACTCCACC
TATGTCTTCTCATGTTCTATTCTCCCTGGTCTTTTACAGTGGCCATCATAGGCTTGCTTATCTTT
CACAAAGCCTTCATATTTCTGAAAGATATGGTATAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001098175
- Insert Size:** 1554 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:**

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\\_001098175.1](#)

**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

**MW:** 58.7 kDa

**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]

**Transcript Variant:** This variant (2) uses an alternate 5' exon that results in a distinct 5' UTR and causes translation initiation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a longer and distinct N-terminus, compared to 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.