

Product datasheet for **SC327061**

CD39 (ENTPD1) (NM_001164178) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD39 (ENTPD1) (NM_001164178) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENTPD1
Synonyms:	ATPDase; CD39; NTPDase-1; SPG64
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	>NCBI ORF sequence for NM_001164178, the custom clone sequence may differ by one or more nucleotides ATGGGGAGGGAAGAACTGTTCTTGACTTTCAGTTTTTCGAGCGGGTTTCAAGAGTCTAAC GTGAAGACATTTTGCTCCAAGAATATCCTAGCCATCCTTGGCTTCTCCTCTATCATAGCT GTGATAGCTTTGCTTGTGTGGGGTTGACCCAGAACAAGCATTGCCAGAAAACGTTAAG TATGGGATTGTGCTGGATGCGGGTCTTCTCACACAAGTTTATACATCTATAAGTGGCCA GCAGAAAAGGAGAATGACACAGGCGTGGTGCATCAAGTAGAAGAATGCAGGGTTAAAGGT CCTGGAATCTCAAATTTGTTTCAGAAAAGTAAATGAAATAGGCATTTACCTGACTGATTGC ATGGAAAAGAGCTAGGGAAGTGATTCCAAGTCCCAGCACCAAGAGACACCCGTTTACCTG GGAGCCACGGCAGGCATGCGGTTGCTCAGGATGGAAAAGTGAAGAGTTGGCAGACAGGGTT CTGGATGTGGTGGAGAGGAGCCTCAGCAACTACCCCTTTGACTTCCAGGGTGCCAGGATC ATTACTGGCCAAGAGGAAGGTGCCTATGGCTGGATTACTATCAACTATCTGCTGGGCAA TTCAGTCAGAAAACAAGGTGGTTCAGCATAGTCCCATATGAAACCAATAATCAGGAAACC TTTGGAGCTTTGGACCTTGGGGGAGCCTCTACACAAGTCACTTTTGTACCCAAAACCAG ACTATCGAGTCCCAGATAATGCTCTGCAATTTGCTCTATGGCAAGGACTACAATGTC TACACACATAGCTTCTTGTGCTATGGGAAGGATCAGGCATCTGGCAGAACTGGCCAAG GACATTCAGGTTGCAAGTAAATGAAATTTCTCAGGGACCCATGCTTTCATCCTGGATATAAG AAGGTAGTGAACGTAAGTGACCTTTACAAGACCCCTGCACCAAGAGATTGAGATGACT CTTCCATTCCAGCAGTTTGAATCCAGGGTATTGGAACTATCAACAATGCCATCAAAGC ATCCTGGAGCTCTTCAACACCAGTTACTGCCCTTACTCCCAGTGTGCCTTCAATGGGATT TTCTTGCCACCACTCCAGGGGATTTTGGGGCATTTTTCAGCTTTTACTTTGTGATGAAG TTTTTAACTTGACATCAGAGAAAAGTCTCTCAGGAAAAGGTGACTGAGATGATGAAAAAG TTCTGTGCTCAGCCTTGGGAGGAGATAAAAACATCTTACGCTGGAGTAAAGGAGAAGTAC CTGAGTGAATACTGCTTTTCTGGTACCTACATTCTCTCCCTCCTTCTGCAAGGCTATCAT TTCACAGCTGATTCTGGGAGCAGATCCATTTTATTGGCAAGATCCAGGGCAGCGACGCC GGCTGGACTTTGGGCTACATGCTGAACCTGACCAACATGATCCCAGCTGAGCAACCATTG TCCACACCTCTCTCCACTCCACCTATGTCTTCTCATGGTTCTATTCTCCCTGGTCTT TTCACAGTGGCCATCATAGGCTTGCTTATCTTTCACAAGCCTTCATTTCTGGAAGAT ATGGTA
Restriction Sites:	Please inquire
ACCN:	NM_001164178
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_001164178.1](#), [NP_001157650.1](#)

RefSeq Size: 12515 bp

RefSeq ORF: 1569 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]

Transcript Variant: This variant (3) 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 (3) 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.