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Product datasheet for SC326956

CD39 (ENTPD1) (NM_001164181) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD39 (ENTPD1) (NM_001164181) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENTPD1
Synonyms:	ATPDase; CD39; NTPDase-1; SPG64
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326956 representing NM_001164181. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGAAAGAGCTAGGGAAGTGATTCCAAGGTCCCAGCACCAAGAGACACCCGTTTACCTGGGAGCCACG GCAGGCATGCGGTTGCTCAGGATGGAAAGTGAAGAGTTGGCAGACAGGGTTCTGGATGTGGTGGAGAGG AGCCTCAGCAACTACCCCTTTGACTTCCAGGGTGCCAGGATCATTACTGGCCAAGAGGAAGGTGCCTAT GGCTGGATTACTATCAACTATCTGCTGGGCAAATTCAGTCAGAAAACAAGGTGGTTCAGCATAGTCCCA TATGAAACCAATAATCAGGAAACCTTTGGAGCTTTGGACCTTGGGGGAGCCTCTACACAAGTCACTTTT GTACCCCAAAACCAGACTATCGAGTCCCCAGATAATGCTCTGCAATTTCGCCTCTATGGCAAGGACTAC AATGTCTACACACATAGCTTCTTGTGCTATGGGAAGGATCAGGCACTCTGGCAGAAACTGGCCAAGGAC ATTCAGGTTGCAAGTAATGAAATTCTCAGGGACCCATGCTTTCATCCTGGATATAAGAAGGTAGTGAAC GTAAGTGACCTTTACAAGACCCCCTGCACCAAGAGATTTGAGATGACTCTTCCATTCCAGCAGTTTGAA ATCCAGGGTATTGGAAACTATCAACAATGCCATCAAAGCATCCTGGAGCTCTTCAACACCAGTTACTGC CCTTACTCCCAGTGTGCCTTCAATGGGATTTTCTTGCCACCACTCCAGGGGGATTTTGGGGCATTTTCA GCTTTTTACTTTGTGATGAAGTTTTTAAACTTGACATCAGAGAAAGTCTCTCAGGAAAAGGTGACTGAG ATGATGAAAAAGTTCTGTGCTCAGCCTTGGGAGGAGATAAAAACATCTTACGCTGGAGTAAAGGAGAAG TACCTGAGTGAATACTGCTTTTCTGGTACCTACATTCTCTCCCTCCTTCTGCAAGGCTATCATTTCACA GCTGATTCCTGGGAGCACATCCATTTCATTGGCAAGATCCAGGGCAGCGACGCCGGCTGGACTTTGGGC TACATGCTGAACCTGACCAACATGATCCCAGCTGAGCAACCATTGTCCACACCTCTCTCCCACTCCACC TATGTCTTCCTCATGGTTCTATTCTCCCTGGTCCTTTTCACAGTGGCCATCATAGGCTTGCTTATCTTT CACAAGCCTTCATATTTCTGGAAAGATATGGTATAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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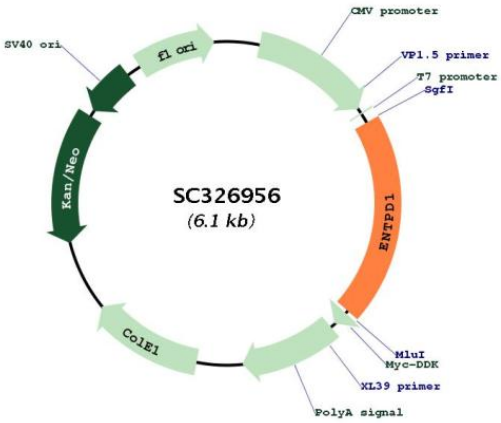
Plasmid Map:



ACCN: NM_001164181

Insert Size: 1209 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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.

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RefSeq:	NM_001164181.1
RefSeq Size:	12387 bp
RefSeq ORF:	1209 bp
Locus ID:	953
UniProt ID:	P49961
Cytogenetics:	10q24.1
Protein Families:	Transmembrane
Protein Pathways:	Purine metabolism, Pyrimidine metabolism
MW:	46.2 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 (5) contains an alternate exon in place of the first exon and lacks an alternate internal exon compared to variant 1, that results in a distinct 5' UTR and translation initiation at a downstream start codon. The encoded isoform (5) has a shorter N-terminus, compared to isoform 1. Both variants 5 and 8 encode the same isoform (5). 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.

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