

Product datasheet for SC327514

CANT1 (NM_001159773) Human Untagged Clone

Product data:

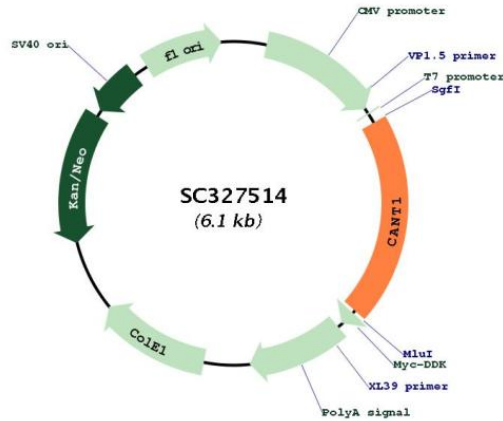
Product Type:	Expression Plasmids
Product Name:	CANT1 (NM_001159773) Human Untagged Clone
Tag:	Tag Free
Symbol:	CANT1
Synonyms:	DBQD; DBQD1; EDM7; SCAN-1; SCAN1; SHAPY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327514 representing NM_001159773. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCCGTGCAGCTGTCTGAGCACCCGGAATGGAATGAGTCTATGCACTCCCTCCGGATCAGTGTGGGG
GGCCTTCTGTGCTGGCGTCCATGACCAAGGCCGCGGACCCCGCTTCCGCCCCCGCTGGAAGGTGATC
CTGACGTTCTTTGTGGGTGCTGCCATCTCTGGCTGCTCTGCTCCACCGCCCGGCCCGCCGAGGCC
CCCACCACAATGCACAACTGGAGGCTCGGCCAGGCCGCCCACTGGTACAATGACACCTACCCC
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GAGTCAAGGGCCCAAGAGGAAAACACTGGTTACCTGAAAAGGGCTACCTGACCCTGTCAGAC
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CCGCCAGGCTACCTCATCCATGAGTCTGCCTGCTGGAGTGACACGCTGCAGCGCTGGTTCTTCTGCCG
CGCCGCCAGCCAGGAGCGCTACAGCGAGAAGGACGACGAGCGCAAGGGCCCAACCTGCTGCTGAGC
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TCCTTCAAGTTTCAATCCCCAACACCGACGACGACGATCATTGTGGCCCTCAAATCCGAGGAGACAGCGGC
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AGCGTGAATACGAAGGCATCGAGTTCAATTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001159773

Insert Size: 1206 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_001159773.1](#)

RefSeq Size: 3350 bp

RefSeq ORF: 1206 bp

Locus ID: 124583

UniProt ID: [Q8WVQ1](#)

Cytogenetics: 17q25.3

Protein Families:	Secreted Protein
Protein Pathways:	Purine metabolism, Pyrimidine metabolism
MW:	44.8 kDa
Gene Summary:	<p>This protein encoded by this gene belongs to the apyrase family. It functions as a calcium-dependent nucleotidase with a preference for UDP. Mutations in this gene are associated with Desbuquois dysplasia with hand anomalies. Alternatively spliced transcript variants have been noted for this gene.[provided by RefSeq, Mar 2010]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.</p>