

Product datasheet for **SC332187**

CGNL1 (NM_001252335) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CGNL1 (NM_001252335) Human Untagged Clone
Tag:	Tag Free
Symbol:	CGNL1
Synonyms:	JACOP; PCING
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332187 representing NM_001252335. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGAGCTGTATTTCCGGTGAATATCAACATGTGCAGCAGGAATATGGGGTCCATCTGAGACTCGCAAGT
GATGATACCCAAAAATCAAGGAGTTCCAGAACTCCAAGGCAGGCTCCTACGGTGTGAGTATTCGGGTC
CAGGGAATTGATGGTCACCCCTATATTGTCTGAATAACACAGAACGGTGCCTAGCAGGCACATCGTTT
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AATAACCAAGCTTGTAATTCCACATCTGAAGTCAAAGATCTATTGGAACAGAAAAGCAAGTTGACCATA
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GAGAGGATGAGAGCAAACCTAGAAGAGCTCCGAAGCCAACACAACGAAAAGGTGGAGGAGAACTCCACA
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 AATGAGCATCTGCAGGGCAGCTCAACTCCATGAAGAAGGACTTAAGACTGAAGAAGCTGCCAGTAAA
 GTGCTGGATGACATGGATGACGACGATGACCTCAGCACGATGGGGGAAGCCTCTATGAGGCGCCTGTG
 AGCTACACATTCTCAAGGACAGCACCGTCGCCAGCCAGATCTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001252335

Insert Size: 3909 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).

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_001252335.1](#)

RefSeq Size: 7353 bp

RefSeq ORF: 3909 bp

Locus ID: 84952

UniProt ID: [Q0VF96](#)

Cytogenetics: 15q21.3

MW: 149.1 kDa

Gene Summary: This gene encodes a member of the cingulin family. The encoded protein localizes to both adherens and tight cell-cell junctions and mediates junction assembly and maintenance by regulating the activity of the small GTPases RhoA and Rac1. Heterozygous chromosomal rearrangements resulting in association of the promoter for this gene with the aromatase gene are a cause of aromatase excess syndrome. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Nov 2011]
 Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. 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.