

Product datasheet for **SC303471**

Precerebellin (CBLN1) (NM_004352) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Precerebellin (CBLN1) (NM_004352) Human Untagged Clone
Tag:	Tag Free
Symbol:	CBLN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303471 representing NM_004352. Blue=Insert sequence Red=Cloning site Green=Tag(s)

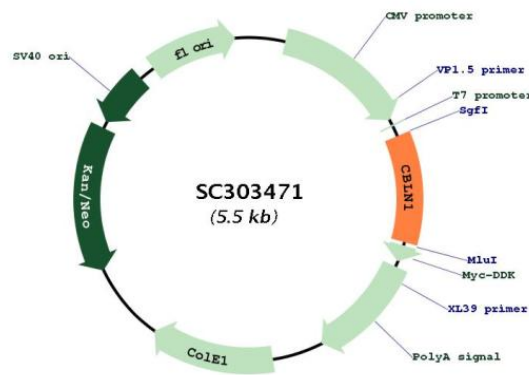
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGGGCGTCTGGAGCTGCTGCTGCTGGGGGCTGCGTGGCTGGCGGGCCCGGCCCGGGCAGAAAT
GAGACGGAGCCCATCGTGTGGAGGGCAAGTGCCTGGTGGTGTGGGACTCCAACCCACGTCGGACCCC
ACGGGCACTGCCCTGGGCATCTCTGTGCGCTCTGGCAGCGCAAGGTGGCTTTCTCTGCCATCAGGAGC
ACCAACCAGAGCCGTCGAGATGAGTAATCGCACCATGATCATCTACTTCGACCAGGTACTAGTGAAC
ATTGGGAACAACTTTGATTCAGAACGCAGCACTTTCATCGCCCCGCGCAAAGGGATCTACAGTTTTAAC
TTCCACGTGGTAAAAGTCTACAACAGACAAACCATACAGGTGAGCCTCATGCTAAACGGGTGGCCGGTG
ATTTTCAGCCTTCGCTGGTGACCAGGACGTGACCCGGGAGGCCAGCAACGGAGTCCTAATCCAATG
GAGAAAGGCGACCGAGCATACCTCAAGCTGGAGCGGGGAAACTTGATGGGGGGCTGGAAGTACTCGACC
TTCTCCGATTCTGGTGTTCCTCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:



ACCN: NM_004352

Insert Size: 582 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_004352.3](#)

RefSeq Size: 2435 bp

RefSeq ORF: 582 bp

Locus ID: 869

UniProt ID: [P23435](#)

Cytogenetics: 16q12.1

Protein Families: Secreted Protein

MW: 21.1 kDa

Gene Summary: This gene encodes a cerebellum-specific precursor protein, precerebellin, with similarity to the globular (non-collagen-like) domain of complement component C1qB. Precerebellin is processed to give rise to several derivatives, including the hexadecapeptide, cerebellin, which is highly enriched in postsynaptic structures of Purkinje cells. Cerebellin has also been found in human and rat adrenals, where it has been shown to enhance the secretory activity of this gland. [provided by RefSeq, Aug 2008]