

#### OriGene Technologies, Inc.

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# Product datasheet for RC201358

### Calbindin (CALB1) (NM\_004929) Human Tagged ORF Clone

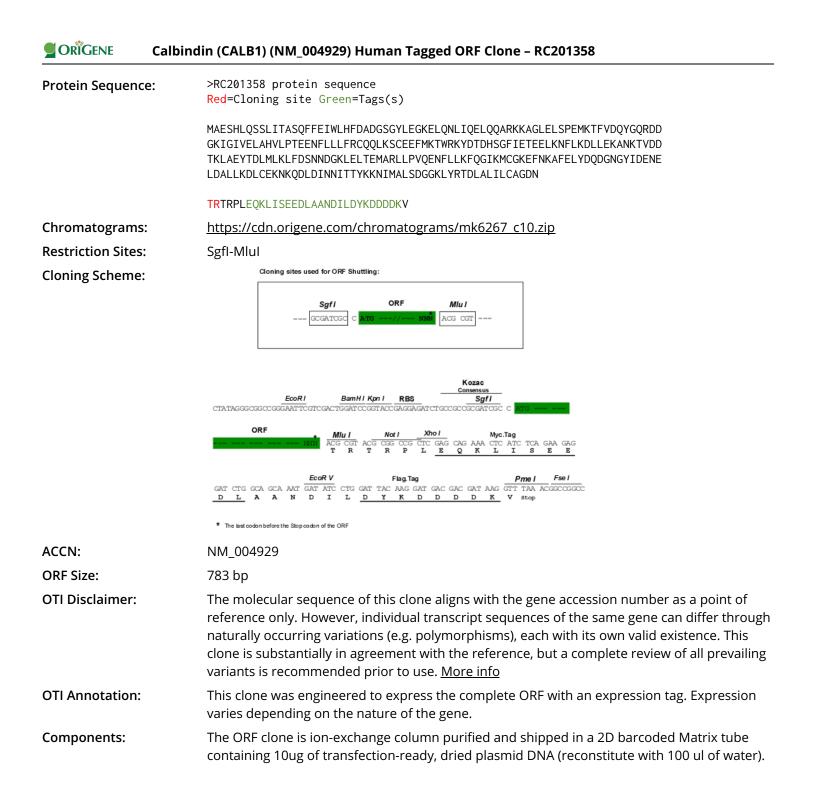
#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Calbindin (CALB1) (NM_004929) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Calbindin
Synonyms:	CALB; D-28K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC201358 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA



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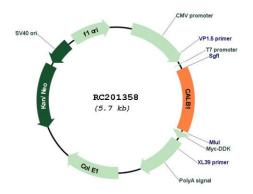
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Scalbindin (CALB1) (NM\_004929) Human Tagged ORF Clone – RC201358

Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM 004929.4</u>
RefSeq Size:	2531 bp
RefSeq ORF:	786 bp
Locus ID:	793
UniProt ID:	<u>P05937</u>
Cytogenetics:	8q21.3
Domains:	EFh
MW:	30 kDa
Gene Summary:	The protein encoded by this gene is a member of the calcium-binding protein superfamily that includes calmodulin and troponin C. Originally described as a 27 kDa protein, it is now known to be a 28 kDa protein. It contains four active calcium-binding domains, and has two modified domains that are thought to have lost their calcium binding capability. This protein

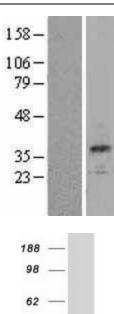
is thought to buffer entry of calcium upon stimulation of glutamate receptors. Depletion of this protein was noted in patients with Huntington disease. [provided by RefSeq, Jan 2015]

## **Product images:**



Circular map for RC201358

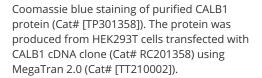
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Western blot validation of overexpression lysate (Cat# [LY417646]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201358 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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