

Product datasheet for **SC324074**

Calretinin (CALB2) (NM_001740) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calretinin (CALB2) (NM_001740) Human Untagged Clone
Tag:	Tag Free
Symbol:	Calretinin
Synonyms:	CAB29; CAL2; CR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001740.2
 GCCCAGCCGGCGCGGAGCGGGAGCGGTGCAGGCTGAGGTCTCCGAGCGGCTCGCCATGGC
 TGGCCCGCAGCAGCAGCCCCCTTACCTGCACCTGGCCGAGCTGACGGCGTCCCAGTTCCT
 GGAAATATGGAAGCACTTTGACGCAGACGAAATGGGTATATTGAAGGTAAGAGCTAGA
 AAACCTTTTTCCAAGAGCTGGAGAAGGCAAGGAAAGGCTCTGGCATGATGTCAAAGAGTGA
 CAACCTTTGGAGAAAAGATGAAGGAGTTCATGCAGAAGTATGATAAAAACCTCAGATGGGAA
 AATCGAGATGGCAGAGCTGGCGCAGATCCTGCCAACCGAAGAGAAGCTTCTTCTGTGCTT
 CAGGCAGCACGTGGGCTCCAGCACCGAGTTTATGGAGGCTTGGCGGAAGTACGACACAGA
 CAGGAGTGGCTACATCGAAGCCAATGAGCTCAAGGGATTCTGTCAGACCTGCTGAAGAA
 GGCGAACCGCCGTACGATGAGCCCAAGCTCCAGGAATACACCCAAACCATACTACGGAT
 GTTTGACTTGAACGGGGATGGCAAATTGGGCCTCTCAGAGATGTCCCAGCTCCTGCCTGT
 CCAGGAAAACCTTCTGCTTAAATTTTCAGGGCATGAAGCTGACCTCAGAGGAGTTTAAACGC
 GATCTTACATTTTACGACAAGGATAGAAGCGGCTACATTGACGAGCATGAGCTGGATGC
 CCTTTTGAAGGATCTGTACGAGAAAAACAAAAGGAAATGAATATTCAACAGCTCACAA
 CTACAGAAAGAGCGTCATGTCCTTGGCAGAGGCAGGGAAGCTCTACCGCAAGGACCTGGA
 GATTGTGCTCTGCAGCGAGCCCCCATGTAAGTGGGGACGGGGGCTGCTTCTCCACCTC
 CCCCAAACCTGCTTCTGCTGCCCTGATGCGTCTACCCAGACTCAGAGACCGTGAGCGCC
 CCGCCCCACCCCTACAGCCTGCACACACCTGCCTGCAGAGCAGGAAACGAGAGATAGAG
 GATGGGCAGCTGGGGGGCTGCTCCTGAGCCCCCTGCACCCACCCCTGCCAGGCAGTCTTT
 GCTCAGTGGATCACACACATGGAAGGTGATGGGGCATGGGTGGAGGGTCCCTAATTCTC
 TTCGCTGTGATGATGAGCTCCCTCGCTGATGATTTAGGCTTCTATGTCCAACAGAGTG
 GACTCTTCCCTCTCGCTCCCCTCTGCCGGTCCCCATGCCACCACCCACCCCAAACCTTCC
 AGGTTCCATCCACCACCTTGCCAATGGTGTAGCTGTCCTCTCAGAACTCCTGTGTGGA
 AGGCACCCGCCCTTCTTGCCTTCTTTACTCGGCGTGCTCCTTTTCTTTGGGTTTCT
 TGTTTACCAAAGAAGAGTTTACAGACAATAAAATGGAAAGGTCTGCTGTGGAACCTTAA
 AAAAAAAAAAAAAAAAAAAAAA



[View online »](#)

Restriction Sites:	ECoRI-NOT
ACCN:	NM_001740
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:	<ol style="list-style-type: none">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_001740.2 , NP_001731.1
RefSeq Size:	1453 bp
RefSeq ORF:	816 bp
Locus ID:	794
UniProt ID:	P22676
Cytogenetics:	16q22.2
Domains:	EFh
Gene Summary:	<p>This gene encodes an intracellular calcium-binding protein belonging to the troponin C superfamily. Members of this protein family have six EF-hand domains which bind calcium. This protein plays a role in diverse cellular functions, including message targeting and intracellular calcium buffering. It also functions as a modulator of neuronal excitability, and is a diagnostic marker for some human diseases, including Hirschsprung disease and some cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (isoform 1), which has also been designated as the full-length isoform.</p>