

## Product datasheet for **SC303247**

### Parvalbumin (PVALB) (NM\_002854) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Parvalbumin (PVALB) (NM_002854) Human Untagged Clone
Tag:	Tag Free
Symbol:	Parvalbumin
Synonyms:	D22S749
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002854 edited CCAGCCTTTCAGTGCAGGCTCCAGCCCTCCACCCACCCGAGTTGCAGGATGTCGATGA CAGACTTGCTGAACGCTGAGGACATCAAGAAGGCGGTGGGAGCCTTTAGCGCTACCGACT CCTTCGACCACAAAAAGTTCTTCCAAATGGTCGGCCTGAAGAAAAAGAGTGCGGATGATG TGAAGAAGGTGTTTCACATGCTGGACAAGGACAAAAAGTGGCTTCATCGAGGAGGATGAGC TGGGATTCATCCTAAAAGGCTTCTCCCCAGATGCCAGAGACCTGTCTGCTAAAGAAACCA AGATGCTGATGGCTGCTGGAGACAAAGATGGGGACGGCAAAATTGGGGTTGACGAATTCT CCTACTGGTGGCTGAAAGCTAAGAAGCACTGACTGCCCTGGTCTTCCACCTCTCTG
Restriction Sites:	Please inquire
ACCN:	NM_002854
Insert Size:	400 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_002854.2.
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).



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**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\\_002854.2](#), [NP\\_002845.1](#)

**RefSeq Size:** 586 bp

**RefSeq ORF:** 333 bp

**Locus ID:** 5816

**UniProt ID:** [P20472](#)

**Cytogenetics:** 22q12.3

**Gene Summary:** The protein encoded by this gene is a high affinity calcium ion-binding protein that is structurally and functionally similar to calmodulin and troponin C. The encoded protein is thought to be involved in muscle relaxation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]  
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.