

Product datasheet for **SC324200**

Calcyon (CALY) (NM_015722) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Calcyon (CALY) (NM_015722) Human Untagged Clone
Tag: Tag Free
Symbol: Calcyon
Synonyms: DRD1IP; NSG3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_015722.2
 CCCGACCGCGTCTGCAGCAGCTGCCAGTGGAGCCGCTGACAAGGACTGCCATCCACCA
 TGGTGAAGCTGGGCTGCAGCTTCTCTGGGAAGCCAGGTAAGACCCTGGGGACCAGGATG
 GGGCTGCCATGGACAGTGTGCCTCTGATCAGCCCCTTGGACATCAGCCAGCTCCAGCCGC
 CACTCCCTGACCAAGTGGTCATCAAGACACAGACAGAATACCAGCTGTCTCCCCAGACC
 AGCAGAATTTCCCTGACCTGGAGGGCCAGAGGCTGAACTGCAGCCACCCAGAGGAAGGGC
 GCAGGCTGCCACCGCACGGATGATCGCCTTCGCCATGGCGCTACTGGGCTGCGTGCTGA
 TCATGTACAAGGCCATCTGGTACGACCAGTTCACCTGCCCGACGGCTTCTGCTGCGGC
 ACAAGATCTGCACGCCGCTGACCCTGGAGATGTACTACACGGAGATGGACCCGAGCGCC
 ACCGCAGCATCCTGGCGCCATCGGGGCTACCCGCTGAGCCGCAAGCACGGCACGGAGA
 CGCCGGCGGCCTGGGGGACGGCTACCGCGCAGCCAAGGAGGAGCGCAAGGGGCCACCC
 AGGCTGGGGCGGCGGCGGCCACCGAACCCTCCGGGAAGCCGTCGGCCAAGGGCGAGA
 AGGAGGGCGGCGGAAGGCGGCCGGGAGCGCGGCCCGCCCGCCGCGAGTGACGTCTCC
 AGCCCCGAGCCCGGCCGGGCGTCTCCGCCAGCTCCTGTGACCAGCGCGTCTCCCGAT
 GCTCTCCCGCGTGTTCGTGTCCCGAGGCGCCCTCGCTGCAGCCCCGCCCCGTGGGTCTC
 TGACTCTGTCGCTTTCTCTAAGTAAAGATTTACGTCCAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_015722

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).



[View online »](#)

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:	<u>NM_015722.2</u> , <u>NP_056537.1</u>
RefSeq Size:	915 bp
RefSeq ORF:	654 bp
Locus ID:	50632
UniProt ID:	<u>Q9NYX4</u>
Cytogenetics:	10q26.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	The protein encoded by this gene is a type II single transmembrane protein. It is required for maximal stimulated calcium release after stimulation of purinergic or muscarinic but not beta-adrenergic receptors. The encoded protein interacts with D1 dopamine receptor and may interact with other DA receptor subtypes and/or GPCRs. [provided by RefSeq, Jul 2008]