

Product datasheet for SC114622

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114622 sequence for NM_015722 edited (data generated by NextGen Sequencing)

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ATGGTGAAGCTGGGCTGCAGCTTCTCTGGGAAGCCAGGTAAGACCCCTGGGGACCAGGAT
GGGGCTGCCATGGACAGTGTGCCTCTGATCAGCCCTTGGACATCAGCCAGCTCCAGCCG
CCACTCCCTGACCAGGTGGTCATCAAGACACAGACAGAATACCAGCTGTCTCCCCAGAC
CAGCAGAATTTCCCTGACCTGGAGGGCCAGAGGCTGAACTGCAGCCACCCAGAGGAAGGG
CGCAGGCTGCCACCGCACGGATGATCGCCTTCGCCATGGCGCTACTGGGCTGCGTGCTG
ATCATGTACAAGGCCATCTGGTACGACCAGTTCACCTGCCCCGACGGCTTCTGCTGCGG
CACAAGATCTGCACGCCGCTGACCCTGGAGATGTACTACACGGAGATGGACCCCGAGCGC
CACCGCAGCATCCTGGCGGCCATCGGGGCTACCCGCTGAGCCGCAAGCACGGCACGGAG
ACGCCGGCGGCTGGGGGACGGCTACCGCGCAGCCAAGGAGGAGCGCAAGGGGCCACCC
CAGGCTGGGGCGGCGGCGGCGGCCACCGAACCCCGGGAAGCCGTCGGCCAAGGCGGAG
AAGGAGGCGGCGCGGAAGGCGGCGGGAGCGGCGGCGCCCGCCCGCGCAGTGA

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Clone variation with respect to NM_015722.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_015722 unedited</p> <p>CATATTTTGTAAACGACTCACTATAGGGGCGGCCGATTTCGGCACGAGGCCTCGTGCC GAATTCGGCACGAGGCCGCATCCACATCCGCATCGTCGTCTCCCGACCCGCGTCTGCA GCAGCTGCCAGTGGAGCCGCCTGACAAGGACTGCCATCCACCATGGTGAAGCTGGGCTGC AGCTTCTCTGGGAAGCCAGGTAAGACCCTGGGGACCAGGATGGGCTGCCATGGACAGT GTGCCTCTGATCAGCCCCTTGGACATCAGCCAGCTCCAGCCGCCACTCCCTGACCAGGTG GTCATCAAGACACAGACAGAATACCAGCTGTCTCCCGACCCAGCAGAGAATTCCTGA CCTGGAGGGCCAGAGCTGAACTGCAGCCACCCAGAGGAAGGGCGCAGGCTGCCACCCG ACGGATGATCGCCTTCGCCATGGCGCTACTGGGCTGCGTGCTGATCATGTACAAGCCAT CTGGTACGACCAGTTCACCTGCCCGACGGCTTCTGCTGCGGCACAAGATCTGCACGCC GCTGACCTGGAGATGTACTACACGGAGATGGACCCGAGCGCCACCCGACGATCCTGGC GGCCATCGGGGCTACCCGCTGAGCCGCAAGCACGGCACGGAGACGCCGGCGGCCTGGGG GGACGGCTACCGCGCAGCAAGGAGGAGCGCAAGGGGCCACCCAGGCTGGGGCGCGGC GCGGCCACCGAACCCCGGGAAGCCGTCGGCCAAGGCGGAAAAGGANNGCGGCGGNAA NGGGCGGCGGAGCGCGCCCCCGCCCGCAGTGACGCTTTCAGCCCCGACCCNGGC CCGGGCGTNTCCCCAGCTCCTGTGACCAGCGGTCTNCCGATGCTCTCCGCCGTGTT CGTGTCGCCAGCGCCCTCGCTGCAGCCGCCCGCCCGTGGGTCTCTGACTCTGTCTGT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_015722 unedited</p> <p>CGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGACGTGAAATCTTTACTTAGAGAA AAGCGACAGAGTCAGAGACCCACGGGGAGCGGGGCTGCAGCGAGGGCGCTGGGGACACG AACACGGCGGAGAGCATCGGGAGACGCGCTGGTACAGGAGCTGGCGGAGACGCCCGGG CCGGGCTGCGGGGCTGGAGACGTCAGTGCAGCGGGCGGGGCGCCGCTCCCGCCGCT TCCGCGCGCCTCCTTCTCCGCCTTGCCGACGCTTCCCGGGGGTTCGGTGGCCGCC CCGCCGCCAGCCTGGGTGGGCCCTTGCCTCCTTGGCTGCGCGGTAGCCGTCCC CCCAGGCCCGCGCTCCTCGTGCCTGCTTGGGCTCATCGGTAAGCCCCGATGGCCG CCAGGATGCTGCGGTGGCGCTCGGGTCCATCTCCGTGTAGTACATCTCCAGGTCAGCG GCGTGCAGATCTGTGCCGATCAGGAAGCCGTCGGGGCAGGTGAACTGGTGTACCAGA TGGCCTTGTACATGATCAGCACGACGCCAGTAGCGCCATGGCGATAGCCATCATCCGTG CGGTGGGCAGCCTGCCCTTCTCTGGTGGGCAGATCAGCCTCTGGCCTCCAAGTCAAG GAAATTTGCCGGTCCGGGGAGACAGCTGATTCCAAGGGGCTGTTCTAAGCCCCCTGCTCGCA AAGGAGTGGCGCCTGACTGGCTGATTCCAAGGGGCTGTTCTAAGCCCCCTGCTCGCA GNCCCTTCTGGTCCCAGTCTTTTCTGCTTCCCAAGAACCACCCACTTCCCTTG GTGTTGCGATCCTTGTTAGCGCTCCCTGGACTCTGTGTAGAACCCTCGGGAGCCACCA TTCGCGTGGTCCGCCATTTTCGATTAGACTGCCTTTGCGGAAATTGTCTTCTTACC GGTGTACCTCCGT</p>
Restriction Sites:	ECoRI-NOT
ACCN:	NM_015722
Insert Size:	1070 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).
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_015722.2](#), [NP_056537.1](#)

RefSeq Size: 915 bp

RefSeq ORF: 654 bp

Locus ID: 50632

UniProt ID: [Q9NYX4](#)

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]