

Product datasheet for **SC118811**

Hippocalcin (HPCA) (NM_002143) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hippocalcin (HPCA) (NM_002143) Human Untagged Clone
Tag:	Tag Free
Symbol:	Hippocalcin
Synonyms:	BDR2; DYT2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_002143 edited
ATGGGCAAGCAGAACAGCAAGCTGCGGCCGAGATGTTGCAGGACCTGCGAGAGAACACA
GAGTTCTCAGAGCTGGAGCTGCAGGAGTGGTACAAGGGCTTCTCAAGGACTGCCCCACA
GGAATCCTCAATGTGGATGAGTTCAAGAAGATCTACGCCAACTTCTTCCCTATGGTGAC
GCCTCCAAGTTTGCCGAGCACGTCTCCGCACCTTTGACACCAACAGCGATGGCACCATA
GACTTTCGGGAGTTCATCATTGCGCTGAGCGTGACCTCGCGCGGCCGCTGGAGCAGAAG
CTCATGTGGGCCTTCAGCATGTATGACCTGGACGGCAACGGCTACATCAGCCGGGAGGAG
ATGCTGGAGATCGTGCAGGCCATTTACAAGATGGTTTCGTCCGTGATGAAGATGCCGGAG
GACGAGTCGACCCGGAAAAGAGGACTGAGAAAATCTCCGCCAAATGGACACAAACAAC
GACGGCAAGCTGTCTTGGAGGAGTTCATCCGCGGGGCCAAAAGCGACCCGTCCATCGTG
CGTCTGCTGCAGTGCGACCCAGCAGCGCCTCCAGTTCTGA



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002143 unedited
 TGTAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGGCTGGGTGGGACTTGG
 CTCGGCGGCCATGGGCAAGCAGAACAGCAAGCTGCGGCCCGAGATGTTGCAGGACCTGCG
 AGAGAACACAGAGTTCTCAGAGCTGGAGCTGCAGGAGTGGTACAAGGGCTTCTCAAGGA
 CTGCCCAACAGGAATCTCAATGTGGATGAGTTCAAGAAGATCTACGCCAACTTCTTTCC
 CTATGGTGACGCCTCCAAGTTTCCGAGTTCATCATTGCGCTGAGCGTGACCTCGCGCGGCCGCT
 TGGCACCATAGACTTTCGGGAGTTCATCATTGCGCTGAGCGTGACCTCGCGCGGCCGCT
 GGAGCAGAAGCTCATGTGGGCTTCAGCATGTATGACCTGGACGGCAACGGCTACATCAG
 CCGGGAGGAGATGCTGGAGATCGTGCAGGCCATTTACAAGATGGTTTCGTCGGTATGAA
 GATGCCGGAGGACGAGTCGACCCCGAAAAGAGGACTGAGAAAATCTTCCGCCAAATGGA
 CACAAACAACGACGGCAAGCTGTCCTTGGAGGAGTTCATCCGCGGGGCCAAAAGCGACCC
 GTCCATCGTGCCTGCTGCAGTGCACCCAGCAGCGCCTCCAGTTCTGAGAGGAGCC
 AGGTTCCCTTCTCCCTCCCTCACCGGCCCTCCCGCTCTAGCTTCCACTCCCTT
 GTGTGATTTGGCTGGGGGCCAGATGGGGGAAGCCCTTCTCCCGGGTCTGCCCTG
 TGGGGGGGGCTTCCGAAAGGGACCCCTTTCGTACCCCAAGCAAGCAGTNAAGCGGNTA
 GCACCCCATCCAGAGGGCACATAAACACAGCTGGGGGTTGGTCTGCTNNANAGGGG
 CCCCTTAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002143 unedited
 TATGGACCGCGCACGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTGCCTGAAATG
 AGACTTTATTCTGAAATTATTAAGAAACAGAGATGCTCCATTTGGCTGCATGCAGGGG
 GGGCGGTTGGGGGACAGAGGGGAGGACAGGGGCTCAGCCAGGGGACCGTGTCTTTT
 CCACGCAGGACACTGTGCATGGGGCTCTGGGTGCATCTGCCATCTGTCTATGGGCTGT
 GTGTGTGAGAGGCCAACACAGAGAGCTCCGTGGGTCTGTGTATCCAAGTGCATAAA
 AGGCAGGCTGGCTTTCTGGGGCCACAGCTGGCGGGCTAGTATCCTGGAAGGTTTCACTT
 GGTGGCTTGGCCTAAGGACCANCAAGGGCTGGGGTGGGAAGGGTGGCTCAAGGAAGCCTC
 TTTCTCAAACCCACACCCCTAGAATCCTTCTCTCCCCTCCAGATAAAAAGTCTCCTCCC
 CTGGGCATGACTCCCCCACCAGCTGAGACCTGCAAGAAGGGGACTGCCCTTTG
 GGGGAGGGGTCGGGCTTGGGGCTGGTGGGTGGTAAGGGGGCTGACTGAGGGGANAC
 CAACCCANCCTGTGTCTCTATTGTTGCCTCTGGGATTGGGGGGTCTAACCCTTACTTG
 CTTTGGCCTGGGGTACCGCAGTTCCTTTTCCGGAAGCCCCACAGGGCATAACCCCG
 GGAGAAAGGCTTCCCATCTGGCCCCAGCCAGATACCCAAGGGAGTGGAACTAAACCCG
 GAGGGGCCGAAAAGGAGGGGAAAAAGGAACCCGCCCTTTAAACTGGGAGGCCTGCTG
 GGCCGCCTGCACATCGCCAAGGGCCGGCCCTTTGCCCGGGTGGACTCCCAGACCTTG
 CCCCTCTGTTTGCCTTGGGCAATTTTACCCTTTCCGGGTACCCCCCGCCCT

Restriction Sites:

NotI-NotI

ACCN:

NM_002143

Insert Size:

1430 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_002143.2](#), [NP_002134.2](#)

RefSeq Size: 1440 bp

RefSeq ORF: 582 bp

Locus ID: 3208

UniProt ID: [P84074](#)

Cytogenetics: 1p35.1

Domains: EFh

Gene Summary: The protein encoded by this gene is a member of neuron-specific calcium-binding proteins family found in the retina and brain. This protein is associated with the plasma membrane. It has similarities to proteins located in the photoreceptor cells that regulate photosignal transduction in a calcium-sensitive manner. This protein displays recoverin activity and a calcium-dependent inhibition of rhodopsin kinase. It is identical to the rat and mouse hippocalcin proteins and thought to play an important role in neurons of the central nervous system in a number of species. [provided by RefSeq, Jul 2008]