

## Product datasheet for **SC333664**

### HPCAL4 (NM\_001282397) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HPCAL4 (NM_001282397) Human Untagged Clone
Tag:	Tag Free
Symbol:	HPCAL4
Synonyms:	HLP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333664 representing NM_001282397. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGATCGCC
ATGGGGAAGACCAACAGCAAGCTGGCCCCGAGGTGCTGGAGGACCTTGTTCAGAACACTGAGTTCAGC
GAGCAGGAGCTGAAGCAGTGGTACAAGGGCTTCTGAAGGACTGCCCCAGCGGCATCCTCAACCTGGAG
GAGTTTCAGCAGCTCTACATCAAGGCAATCTACAAGATGGTGGGCACCGTGATCATGATGCGCATGAAC
CAGGACGGGCTCAGCCCCAGCAGCGTGTGGACAAGATCTTCAAGAAGATGGACCAGGATAAGGACGAC
CAGATTACATTGGAGGAGTTCAAGGAGGCAGCCAAGAGTGACCCATCCATTGTGTTGCTGCTGCAGTGT
GACATGCAGAAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites:	SgfI-MluI
ACCN:	NM_001282397
Insert Size:	360 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).



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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\\_001282397.1](#)

**RefSeq Size:** 4454 bp

**RefSeq ORF:** 360 bp

**Locus ID:** 51440

**Cytogenetics:** 1p34.2

**MW:** 13.9 kDa

**Gene Summary:** The protein encoded by this gene is highly similar to human hippocalcin protein and hippocalcin like-1 protein. It also has similarity to rat neural visinin-like Ca<sup>2+</sup>-binding protein-type 1 and 2 proteins. This encoded protein may be involved in the calcium-dependent regulation of rhodopsin phosphorylation. The transcript of this gene has multiple polyadenylation sites. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]

Transcript Variant: This variant (3) lacks an in-frame coding exon, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.