

Product datasheet for SC308453

NIPAL1 (NM_207330) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIPAL1 (NM_207330) Human Untagged Clone
Tag:	Tag Free
Symbol:	NIPAL1
Synonyms:	NPAL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308453 representing NM_207330. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGGGGACAGGTGAGGCTGCCGCCGGAGAGCCCTGCCGAGAAGGATATGTGCTGTCTCTGGTCTGT
CCAAACTCCTCCAGGCTTGGTGTGAGATCACAATGTGTACAGCTGCTGGCTTCTCTGTGCTCTAC
ACGGACCTGAATTACAGCATAAACAACCTTGAGCATTTTCAGCAAATGTAGAAAACAATACAGTCTTTAT
GTGGGCTTGGTACTGGCAGTAAGCTCAAGTATTTTATTGGCTCCAGCTTCATACTGAAAAAGAAGGGC
CTCTTGCAACTGGCCAGCAAGGGCTTTACTAGAGCTGGACAAGGTGGACATTCTTACCTGAAGGAATGG
CTCTGGTGGGTAGGATTGCTGTCAATGGGAGCAGGAGAGGCTGCAAATTTTGGCTGTTATGCTTTTGCA
CCTGCCACCTTGGTCACCCCTCTGGGTGCTTTGAGTGTTCTCATAAGTGCAATATTATCTTCTACTTTT
TTAAACGAGCACTTGAACATTCATGGGAAAATAGGCTGCATATTAAGTATATTGGGGTCAACTGTGATG
GTTATCCATGCCCCACAAGAAGAGGAAGTCACATCTTTGCATGAAATGAAATGAAATGAGAGACCCA
GGGTTTATTTCTTTGCTGTGATCATAACTGTGATCTCCTTGGTCTGATTTTGATTGTGGCTCCCAAG
AAAGGACAGACCAATATATTGGTTTATATTTCAATCTGTTCTTGGATTGGAGCGTTTTAGTTTCTTCT
GTGAAAGCCTGGGAATTGCCATTAAGGAGCTGATAGAATGGAAGCCAGTTTACAACATCCGCTGGTC
TTTGTTTTGGCTGTACTTGTGCTTTTCAGTAACTACACAGATTAACATCTCAACAAGGCACTGGAC
ACCTTTAATACCTCTCTGTGACACCCATTTATTATGTATTCTTACATCCATGGTAGTGACTTGTCT
GCCATCTTATTCCAAGAGTGGTATGGCATGACAGCTGGAGATATCATTGGGACCCTGAGTGGATTCTTC
ACTATTATCATTGGCATCTTCTTCTACATGCTTTTAAAAATACTGACATTACTTGGAGTGAAGCTTACA
TCCACTGCTAAGAAAGAAGCCGCTCTCTGAAATGTCAATGAAAACAATTATGTTTACTAGAGAAGCTTG
GAGTGTTCAGCCCCAGGATACAATGATGACGTTACCTTGTTTAGTAGAACTGATGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



[View online >](#)

Plasmid Map:	□
ACCN:	NM_207330
Insert Size:	1233 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:	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:	NM_207330.2
RefSeq Size:	5321 bp
RefSeq ORF:	1233 bp
Locus ID:	152519
UniProt ID:	Q6NVV3
Cytogenetics:	4p12
Protein Families:	Transmembrane
MW:	44.6 kDa
Gene Summary:	Acts as a Mg(2+) transporter. Can also transport other divalent cations such as Fe(2+), Sr(2+), Ba(2+), Mn(2+), Cu(2+) and Co(2+) but to a much less extent than Mg(2+) (By similarity). [UniProtKB/Swiss-Prot Function]