

Product datasheet for **RN211253**

Vac14 (NM_177930) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vac14 (NM_177930) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Vac14
Synonyms:	hyd1n
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211253 representing NM_177930
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAACCCGGAGAAGGATTTTGCGCCACTCACTCCCAACATCGTAAGGGCCCTGAATGATAAACTCTACG
 AAAAGCGGAAGGTAGCAGCGCTGGAGATCGAGAAGCTGGTGAGGGACTTTGTGGCCAGAACAACTGT
 GCAGATCAAGCATGTGATCCAGACCCTGTCGAGGAGTTCGCCCTGTCCCAGCACCCACAGCCGAAAA
 GGGGGTCTCATCGGCCTGGCAGCCTGCTCTATTGCCCTCGGCAAGGACTCAGGGCTCTACCTGAAGGAGC
 TGATAGAGCCAGTGTGACCTGTTTAAATGATGCAGATAGCAGGCTGCGCTACTATGCTTGTGAGGCCCT
 CTACAATATCGTCAAAGTGGCCGAGGTGCCGTGCTGCCACACTTCAATGTTCTTTGATGGACTGAGT
 AAGTTGGCTGCTGACCCAGACCCCAATGTGAAAAGTGGATCCGAGCTCCTAGACCGCCTTTTAAAGGACA
 TTGTAACAGAAAGCAGCAAGTTTGACCTGGTGGGCTTCATCCCCCTTTTGCGGGAGAGGATTTACTCAA
 CAACCAATACGCCGACAGTTTCATCATCTCTGGATCCTGGTTCTGGTGTGAGTCCAGATATTAACCTG
 CTGGATTACCTGCCAGAGATCCTGGACGGGCTCTTCCAGATCCTGGGTGACAACGGCAAAGAGATTCCGA
 AAATGTGTGAGGTGGTTCTTGGAGAATTCTTGAAGAAATTAAGAAGAACCCATCCAGTGTGAAGTTTGC
 TGAGATGGCCAACATCCTGGTGATCCACTGCCAGACCACAGATGACCTGATTGAGCTGACGGCTATGTGC
 TGGATGCGGGAATTATCCAGCTGGCAGGCCGGGTAATGCTGCCCTATTCCTCTGGGATCCTGACTGCTG
 TCCTGCCCTGCTTGGCCTATGATGACCGCAAGAAAAGTATCAAGGAGGTGGCCAAATGTGTGAACAGAG
 CCTGATGAAGCTGGTTACCCCTGAGGATGATGAACCAGATGAGCCAAAGTCAGTAGCACAGAAGCAGACA
 GAACCAACCCCTGAGGATTCCTGCCAAAGCAGGAGGGGACAGCCAGTGGAGGTGCAAGTGGTCCCTGTG
 ACTCCAGCTTTGGAAGTGGCATCAGTGTCTTTACCTCAGCCAGCACTGACAGGGCTCCAGTGACCCCTGCA
 TCTGGACGGAATTGTGCAAGTCTGAACTGCCACCTTAGTGACACGACCATTGGGATGATGACCAGGATT
 GCCGTTCTGAAGTGGCTCTACCATCTCTACATCAAACTCCACGAAAGATGTTCCGGCACACAGACAGTC
 TTTTCCCATCCTGCTTCAGACGTTATCTGATGAATCTGATGAGGTTGTCTTGAAGGATCTGGAAGTGT
 GGCAGAAATTGCTTCTCCCTGCAGGCCAGCGATGACCCAGGCGCACCTGATGGCCCTGACCTCCAA
 GTCAACCACTCGGAGCTTCAGGTGCCACCTCCGGCAGAGCCAACCTACTAAACCCTCCAATACCAAAG
 GCTTAGAATGCTCTCCCTCCACGCCACCATGAACTCCTACTTTTACAAGTTCATGATCAACCTTCTGCA
 GACATTCAGCAGTGAACGGAAGTCTCTGGAGGCCAGAGGCCATTTCATCATCAGACAGCTCTGCCTCCTG
 CTGAATGCAGAGAACATCTTCCATTCGATGGCAGATATCCTGCTCGGGGAAGAGGACCTCAAGTTTGCCT
 CCACCATGGTGCACACCTCAATACCATCCTGCTCACCTCCACTGAGCTCTTCCAGCTGAGAAACCAACT
 CAAGGACCTGAAGACTCTGGAAGGCCAGAACCTTTCTGCTGCCTGTACCGCTCCTGGTGCCACAACCCA
 GTCACCACCGTATCCCTCTGCTTCTCACCAGAAATTACCGCCATGCCTATGACCTCATCCAGAAGTTTG
 GGGACCTGGAAGTCACAGTGGATTTCTCACAGAGGTGGACAACTGGTGACGTAATCGAGTGCCCAT
 CTTTACATATCTCCGCTGCAGCTGCTGGACGTGAAGAACAACCCGTACCTGATGAAGGCCCTGTACGGC
 CTGCTCATGCTGCTGCCCCAGAGCAGTGCCTTCCAGCTGCTCTCCACCGGCTCCAGTGTGTGCCAACC
 CTGAGCTGCTGCAGACCGAAGACTGTCTAAAAGCTGCCCCAAGTCCCAGAAAGGTGACTCGCCAGCAT
 CGACTACACAGAGCTGCTGCAGCACTTTGAAAAAGTCCAGAAACAGCACCTGGAAGTAAGACACAGCGC
 AGTGGACGTGGGATCACCTGGACCGCAGAGTTGTCTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_177930
Insert Size: 2352 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:	<u>NM_177930.2</u> , <u>NP_808791.1</u>
RefSeq Size:	3093 bp
RefSeq ORF:	2352 bp
Locus ID:	307842
UniProt ID:	<u>Q80W92</u>
Cytogenetics:	19q12
Gene Summary:	a putative cytoskeletal interacting protein; mutation of gene may be associated with lethal communicating hydrocephalus with perinatal onset [RGD, Feb 2006]