

# Product datasheet for RC228082

### REEP1 (NM\_001164732) Human Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	REEP1 (NM_001164732) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	REEP1
Synonyms:	C2orf23; HMN5B; SPG31; Yip2a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC228082 representing NM_001164732 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGTGTCATGGATCATCTCCAGGCTGGTGGTGCTTATATTTGGCACCCTTTACCCTGCGTATTATTCCT ACAAGGCTGTGAAATCAAAGGACATTAAGGAATATGTCAAATGGATGATGTACTGGATTATATTTGCACT TTTCACCACAGCAGAGACATTCACAGACATCTTCCTTTGTTGGGACAGGGTGCCTTATCGGAGAGAGA
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG <b>GTTTAA</b>
Protein Sequence:	<pre>&gt;RC228082 representing NM_001164732 Red=Cloning site Green=Tags(s)</pre>
	MVSWIISRLVVLIFGTLYPAYYSYKAVKSKDIKEYVKWMMYWIIFALFTTAETFTDIFLCWDRVPYRRDC GASACRTSPPSGETAPLLPRAPHHRGLGGPAANTASLRCPGVLLRALAAQAPPRILRSRFRKKSTSSSAT ETT
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/ja1447_a10.zip



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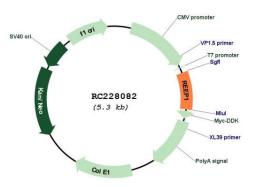
## **GRIGENE** REEP1 (NM\_001164732) Human Tagged ORF Clone – RC228082

Image: Scheme in the	Restriction Sites:	Sgfl-Mlul
ORF       Multication         et creation       et creation         b       b         cert creation       et creation         cert creation	Cloning Scheme:	
CAT CTG OCA OCA NAT OAT ATC CTG OF D L A A N D I L I         * The bad codon before the Boo codon of the ORF         ACCN:       NM_001164732         ORF Size:       429 bp         OTI Disclaimer:       The molecular sequence o reference only. However, i naturally occurring variation clone is substantially in ag variants is recommended         OTI Annotation:       This clone was engineered varies depending on the national containing 10ug of transfer         Reconstitution Method:       1. Centrifuge at 5,000xg fo 2. Carefully open the tube 3. Close the tube and incul 4. Briefly vortex the tube a at the bottom.         S. Store the suspended pla shipping when stored at -2         RefSeq:       NM 001164732.2         RefSeq ORF:       432 bp		CTATAGGGCGGCGGGAATTCGTCGGCTGGGTCCGGTGCCGGGGGGGG
ACCN:NM_001164732ORF Size:429 bpOTI Disclaimer:The molecular sequence or reference only. However, in naturally occurring variation clone is substantially in agriants is recommended variants is recommended ouries depending on the market of the order of the o		gat ctg gca gca bat gat atc ctg gat tac ang gat gac gac gat ang gtt tan Acggcoggco
ORF Size:429 bpOTI Disclaimer:The molecular sequence or reference only. However, in naturally occurring variation clone is substantially in agrical variants is recommended or variants is recommended or OTI Annotation:OTI Annotation:This clone was engineered varies depending on the new containing 10ug of transfer to 2. Carefully open the tube 3. Close the tube and incul 4. Briefly vortex the tube at the bottom.RefSeq:NM 001164732.2RefSeq ORF:432 bp		* The last codon before the Stop codon of the ORF
DTI Disclaimer:The molecular sequence or reference only. However, in naturally occurring variation clone is substantially in ag variants is recommended port Annotation:DTI Annotation:This clone was engineered varies depending on the naturally occurring variantsDTI Annotation:This clone was engineered varies depending on the naturally of transfer containing 10ug of transferComponents:The ORF clone is ion-exchat containing 10ug of transferReconstitution Method:1. Centrifuge at 5,000xg fo 2. Carefully open the tube 3. Close the tube and incul 4. Briefly vortex the tube a at the bottom. 5. Store the suspended plat shipping when stored at -2RefSeq:NM 001164732.2RefSeq ORF:432 bp	ACCN:	NM_001164732
Porturereference only. However, i naturally occurring variation clone is substantially in ag variants is recommended varies depending on the national state of the transferOTI Annotation:This clone was engineered varies depending on the national state of the transfer containing 10ug of transferComponents:The ORF clone is ion-exchatic containing 10ug of transfer 3. Close the tube and incul 4. Briefly vortex the tube a at the bottom. 5. Store the suspended platishipping when stored at -2RefSeq:NM 001164732.2RefSeq ORF:432 bp	DRF Size:	429 bp
Components:The ORF clone is ion-excha containing 10ug of transfeReconstitution Method:1. Centrifuge at 5,000xg fo 2. Carefully open the tube 3. Close the tube and incul 4. Briefly vortex the tube a at the bottom. 5. Store the suspended pla shipping when stored at -2RefSeq:NM 001164732.2RefSeq ORF:432 bp	OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>
Reconstitution Method:1. Centrifuge at 5,000xg fo 2. Carefully open the tube 3. Close the tube and incul 4. Briefly vortex the tube a at the bottom. 5. Store the suspended pla shipping when stored at -2RefSeq:NM 001164732.2RefSeq ORF:432 bp	OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
2. Carefully open the tube3. Close the tube and incul4. Briefly vortex the tube aat the bottom.5. Store the suspended plashipping when stored at -2RefSeq:NM 001164732.2RefSeq ORF:432 bp	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).
RefSeq ORF: 432 bp	Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
	RefSeq:	<u>NM 001164732.2</u>
	efSeq ORF:	432 bp
.ocus ID: 65055	ocus ID:	65055
JniProt ID: <u>Q9H902</u>	JniProt ID:	<u>Q9H902</u>

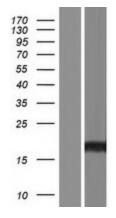
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	REEP1 (NM_001164732) Human Tagged ORF Clone – RC228082
Cytogenetics:	2p11.2
Protein Families:	Druggable Genome, Transmembrane
MW:	15.9 kDa
Gene Summary:	This gene encodes a mitochondrial protein that functions to enhance the cell surface expression of odorant receptors. Mutations in this gene cause spastic paraplegia autosomal dominant type 31, a neurodegenerative disorder. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]

## **Product images:**



Circular map for RC228082



Western blot validation of overexpression lysate (Cat# [LY431110]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228082 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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