

Product datasheet for RN211652

Reep4 (NM_001025279) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Reep4 (NM_001025279) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Reep4
Synonyms:	RGD1306561
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211652 representing NM_001025279 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTCTTGGATGATCTGTGCCTGGTGGTCTAATTTGGCATGCTATATCCTGCATATGCTTCT
ACAAGGCTGTGAAGAGCAAGAACATCCGAGAATATGTCCGGTGGATGATGATTGGATTGTCTTTGCAAT
CTTCATGGCAGCGAAACCTTCACAGACATCTTCATTTCTGGTCCCGTTTTATTAGATCAAGATG
GCCTTCGTGCTGTGGCTGCTGTACCTTACACCAAGGGGCCAGCCTGCTTACAGAAAGTTGTCCACC
CGTCCCTATCCCGCCACGAGAAGGAGATCGACGCATGCATTGTGCAGGCAAAGGAGCGCAGCTACGAAAC
CATGCTCAGTTTTCGGGAAGCGGAGCCTCAACATGGCTGCCTCTGCCGCTGTGCAGGCTGCTACCAAGAGT
CAAGGTGCCCTAGCTGGAAGGCTGAGGAGCTTCTCTATGCAAGATCTGCGCTCTATCCCTGACACCTCTG
CCCCACCTACCAAGATCCCTCTACCTGGAAGACCAGGCCCCCCCGGCGGAGACCCCTATCGGATACCG
GCCAGGCGGCCTGCAAGACAGTGACACAGAGGACGAGTGTGGTCAGACAATGAGATAGCCCCCAGCCA
CCTGTTCCGCCCCGAGAGAAGCCTCTGAGTCGACGAGCCTCCGTGTGGTCAAGAGAAAGCCATTAG
TTCGAGAGGGCACCTCACGCTCCTTGAAGTCCGAACCCGAAAAAGACCATTCCCTCTGACCTGGACAG
CTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001025279
Insert Size:	774 bp



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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:	<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:	<u>NM_001025279.1</u> , <u>NP_001020450.1</u>
RefSeq Size:	1233 bp
RefSeq ORF:	774 bp
Locus ID:	306014
UniProt ID:	<u>Q4QQW1</u>
Cytogenetics:	15p11
Gene Summary:	Microtubule-binding protein required to ensure proper cell division and nuclear envelope reassembly by sequestering the endoplasmic reticulum away from chromosomes during mitosis. Probably acts by clearing the endoplasmic reticulum membrane from metaphase chromosomes (By similarity).[UniProtKB/Swiss-Prot Function]