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Product datasheet for SC126278

REEP3 (BC018658) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REEP3 (BC018658) Human Untagged Clone
Tag:	Tag Free
Symbol:	REEP3
Synonyms:	C10orf74; OTTHUMP00000060744; receptor accessory protein 3; receptor expression enhancing protein 3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC018658 edited GGGGAGGTAAATGTATCCATAGACCACAGTGCCTTGCTTTTTCCTCTGCCAGCACATGGA GCACGGGATTAGATGCACAAACCTATTTAGGGAACTATTTTGGTAGATGTTTGAGTTTAT ACAGAAATTGCAGCTGGTATTTTATTTTGCTGTACATTTACTCAACTTGTCCATTAGTAT TTAACTATTTCCAGAGTTTGTTTAGGAGTAAGAATTGACCCATTCGTTAGTTTACCATAT TTTTTCCTGGTATAAAAAGGAGCCAGAAATAAGCCTTATTGCTAAATAATTAATTATGTA AGCCCACCTAGGTCCTGCATAAGATCCCCCTCACATACTTCACAATATATATGTGTGTGT GTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTATTTGGCTAAAAAATTATACTG CCAAAATTACTGATTATAAATACTTGACTACACTGATTGATGGGACAAAATGATTAAAGT ATTTTCAGGGATCTTATTCCATATGTCACCACCAAAGATTTCTACAGTGTTATAAAGTAT ATAAATATTCCAAATTTCTGTGGTTAAATATTTTTTTCTTTTTTTTCCTTTTTTAGAATA ACACAGTCTGTGCTTTCCAAAAATGCTTGAACTTTTATGTTGTTAAAGAAATATATAATG ATATCTTACATTAAGCATGAGTCTAATTTGTATTAATTGGGATGGACTAAATTTTCATTT GATTATCAGGAAAATTAAGGAGTTATATATTTAAAAGCAATTTTCTGTGTTTTCTTCTTT GTAAGTTGACTCATTTGTGAAGCAATTAGGCAAATTTTGAGAAGATCATTGTTATTGTGG TTTGCAGTATATATTTCTTAGTAAATATCACTTAAGATTAAATTTTTCAGAAAGAAAATT ATAGCTTTTTTCCCAAAATATTTTTAAGATTTAATCTTTTTGTAGTATGCTACAGATTTA ATTATATTAACTCTTTTTTAAGACATTGACCATGACTTAACATTTTGCCTTCTAACACCT TTTAAATCTATGTACTTTAATAGTTAAGAGAAAATAAGTTTGCAGATTTTTAATAATCTG TTTGTAAAAGGCTATCTCTAAGCCTAGTATGTGGGTAATTTTACAGGTGTGTTTTTTGAT AACTTTAATATAAAATAAACTCATTTTATTTGTGCCAAAAAAAAAAAAAAAAAAAAAAAA AAAAAA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for BC018658 unedited
AGGTTCATAATATTTGTATACGACTCATATAGGCGGCCGCGTATTCGGCCATTACGGCCG
GGGAGGTAAATGTATCCATAGACACAGTGCCTTGCTTTTTCCTCTGCCAGCACATGGAGC
ACGGGATTAGATGCACAAACCTATTTAGGGAACTATTTTGGTAGATGTTTGAGTTTATAC
AGAAATTGCAGCTGGTATTTTATTTTGCTGTACATTTACTCAACTTGTCCATTAGTATTT
AACTATTTCCAGAGTTTGTTTAGGAGTAAGAATTGACCCATTCGTTAGTTTACCATATTT
TTTCCTGGTATAAAAAGGAGCCAGAAATAAGCCTTATTGCTAAATAATTAATTATGTAAG
CCCACCTAGGTCCTGCATAAGATCCCCCTCACATACTTCACAATATATATGTGTGTGTGT
GTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTATTTGGCTAAAAAATTATACTGCC
AAAATTACTGATTATAAATACTTGACTACACTGATTGATGGGACAAAATGATTAAAGTAT
TTTCAGGGATCTTATTCCATATGTCACCACCAAAGATTTCTACAGTGTTATAAAGTATAT
AAATATTCCAAATTTCTGTGGTTAAATATTTTTTTCTTTTTTTTCCTTTTTTAGAATAAC
ACAGTCTGGGCTTTCCAAAAAGGCTTGAACTTTTATGTTGTTAAAGAAATATATAATGAT
ATCTTAAATTAAGCATGATTCTAATTTGTATTAATGGGGATGGACCAAATTTTCATTTGT
ATACCAGGAAAATAAGGGTTATATATTAAAAACAATTTTCTGGGGTTTACTCCTTGAAAG
TTGACCCTTTGGGAAACATTTAGCCAATTTTAAAAAATCATGGTATTGGGGTTGCAGAAT
ATTTTTTTAGAAAAATACACTAAAG
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Restriction Sites: NotI-NotI

ACCN: BC018658

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: BC018658.1, AAH18658.1

RefSeq Size: 1206 bp

Locus ID: 221035

Cytogenetics: 10q21.3

Protein Families: Druggable Genome, Transmembrane

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.[UniProtKB/Swiss-Prot Function]