

Product datasheet for RR211589

Rpe65 (NM_053562) Rat Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Rpe65 (NM_053562) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rpe65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling:
	Sgfi ORF Miui gcgatogc c atg NINN Acg cgt
	Kozac Consensus EcoR I BamHI Kpn I RBS Sgf1 CTATAGGGGGGGCGGGAATTCGTCGACTGGATGGGAGAGATCTGCCGCGGGAATTCGC C

 ORF
 Mlu I
 Not I
 Xho I
 Myc.Tag

 ACG CGT ACG CGG CCG CC CC
 T
 ACG CGT ACG CGG CCG
 TC
 ACG CGT ACG
 ACG CGT CGG

 T
 R
 T
 R
 P
 L
 E
 Q
 K
 L
 I
 S
 E
 E

 EcoR V
 Flag.Tag
 Pme I
 Fse I

 GAT CTG GCA GCA AAT
 GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA
 ACGCCCGCCC

 D<L</td>
 A
 N
 D
 I
 L
 D
 Y
 K
 D
 D
 K
 V
 stop

* The last codon before the Stop codon of the ORF

NM_053562

1599 bp

ACCN: ORF Size:

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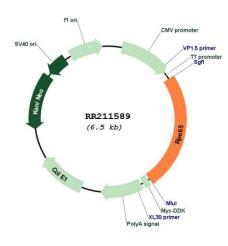
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	be65 (NM_053562) Rat Tagged ORF Clone – RR211589
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through 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>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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 Metl	 hod: 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 053562.3, NP 446014.2</u>
RefSeq Size:	2147 bp
RefSeq ORF:	1602 bp
Locus ID:	89826
UniProt ID:	<u>070276</u>
Cytogenetics:	2q45
MW:	61 kDa
Gene Summary:	present during late retinal development [RGD, Feb 2006]

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Product images:



Circular map for RR211589

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