

Product datasheet for **RG236168**

RPE (NM_001278288) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPE (NM_001278288) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RPE
Synonyms: RPE2-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236168 representing NM_001278288.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCACATGATGGTGTCCAAGCCAGAACAGTGGGTAAAGCCAATGGCTGTAGCAGGAGCCAATCAGTAC
ACCTTTTCATCTCGAGGCTACTGAGAACCAGGGGCTTTGATTAAGACATTCGGGAGAATGGGATGAAG
GTTGGCCTTGCCATCAAACCAGGAACCTCAGTTGAGTATTTGGCACCATGGGCTAATCAGATAGATAG
GCCTTGTTATGACAGTGAACCGGGTTGGAGGGCAGAAATTCATGGAAGATATGATGCCAAAGGTT
CACTGGTTGAGGACCCAGTCCCATCTTTGGATATAGAGGTCGATGGTGGAGTAGGTCCTGACACTGC
CATAAATGTGCAGAGGCAGGAGTAACATGATTGTGTCTGGCAGTCTATTATGAGGAGTGAAGACCCC
AGATCTGTGATCAATCTATTAAGAAATGTTTGCTCAGAAGCTGCTCAGAAACGTTCTCTTGATCGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236168
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MHMMVSKPEQWVKPMAVAGANQYTFHLEATENPGALIKDIRENGMKVGLAIKPGTSVEYLAPWANQIDM
ALVMTVEPGFGGQKFMEDMMPKVHWRQTQFPLDIEVDGGVGPDTVHKCAEAGANMIVSGSAIMRSEDP
RSVINLLRNVCSAAQKRSLDR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDVSHMHFSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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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:	NM_001278288.1 , NP_001265217.1
RefSeq Size:	3185 bp
RefSeq ORF:	483 bp
Locus ID:	6120
UniProt ID:	Q96AT9
Cytogenetics:	2q34
Protein Pathways:	Metabolic pathways, Pentose and glucuronate interconversions, Pentose phosphate pathway
MW:	18 kDa
Gene Summary:	Catalyzes the reversible epimerization of D-ribulose 5-phosphate to D-xylulose 5-phosphate. [UniProtKB/Swiss-Prot Function]