

Product datasheet for **RG217528**

REV1 (NM_001037872) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REV1 (NM_001037872) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	REV1
Synonyms:	AIBP80; REV1L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217528 representing NM_001037872 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RG217528 representing NM_001037872
 Red=Cloning site Green=Tags(s)

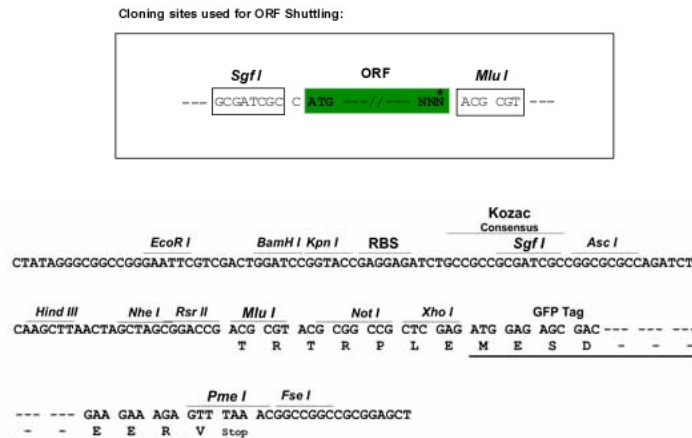
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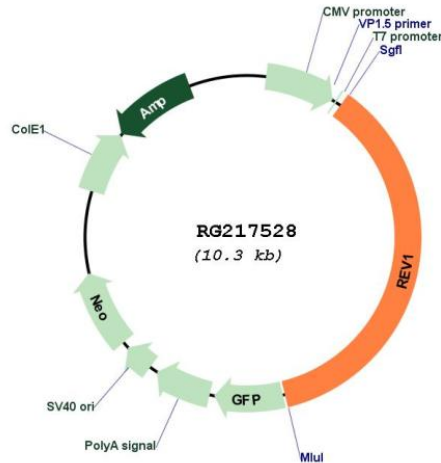
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001037872

ORF Size: 3750 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. [More info](#)

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 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: [NM_001037872.3](#)

RefSeq Size: 4748 bp

RefSeq ORF: 3753 bp

Locus ID: 51455

UniProt ID: [Q9UBZ9](#)

Cytogenetics: 2q11.2

Protein Families: Druggable Genome

Gene Summary: This gene encodes a protein with similarity to the *S. cerevisiae* mutagenesis protein Rev1. The Rev1 proteins contain a BRCT domain, which is important in protein-protein interactions. A suggested role for the human Rev1-like protein is as a scaffold that recruits DNA polymerases involved in translesion synthesis (TLS) of damaged DNA. [provided by RefSeq, Mar 2016]