

Product datasheet for **RG210729**

SERP1 (NM_014445) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SERP1 (NM_014445) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SERP1
Synonyms: RAMP4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210729 representing NM_014445
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCGCCAAGCAAAGGATCCGTATGGCCAACGAGAAGCACAGCAAGAACATCACCCAGCGCGGCAACG
TCGCCAAGACCTCGAGAAATGCCCCGAAGAGAAGGCGTCTGTAGGACCCTGGTTATTGGCTCTTTCAT
TTTTGTTGTCTGTGTTCTGCAATTTCCAGATTATCAAGTATCAGGATGGGCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210729 representing NM_014445
Red=Cloning site **Green**=Tags(s)

MVAKQRIRMANEKHSKNITQRGNVAKTSRNASPEEKASVGPWLLALFIFVCGSAIFQIIQSIRMGM

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_014445

ORF Size: 198 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).

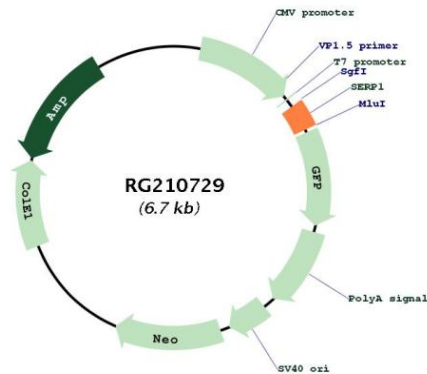
Reconstitution Method:

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_014445.4](#)

RefSeq Size:	2488 bp
RefSeq ORF:	201 bp
Locus ID:	27230
UniProt ID:	Q9Y6X1
Cytogenetics:	3q25.1
Protein Families:	Transmembrane
Gene Summary:	Interacts with target proteins during their translocation into the lumen of the endoplasmic reticulum. Protects unfolded target proteins against degradation during ER stress. May facilitate glycosylation of target proteins after termination of ER stress. May modulate the use of N-glycosylation sites on target proteins (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG210729