

Product datasheet for **RG219388**

Laeverin (LVRN) (NM_173800) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Laeverin (LVRN) (NM_173800) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LVRN
Synonyms:	APQ; AQPEP; TAQPEP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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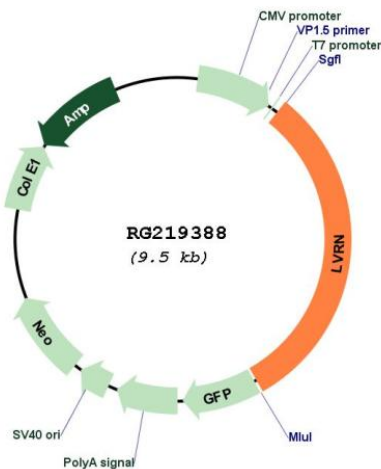
ORF Nucleotide Sequence:

>RG219388 representing NM_173800
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGGATCGCC**

ATGGGGCCCCCTCCAGCTCAGGCTTCTATGTGAGCCGCGCAGTGGCCCTGCTGCTGGTGGTTGGTAG
 CGGCCCTCCTGCTGGCGCTGGCCGTA CTGCGCCCTTGTACGGCCACTGCGAGCGCGTCCCACCGTCGGA
 GCTGCCTGGACTCAGGGACTCGGAAGCCGAGTCTTCCCCTCCCCTCAGGCAGAAGCCGACCCGACCCCG
 AAACCCAGCAGTGCACGCGAGCTAGCGGTGACGACCACCCGAGCAACTGGCGACCCCGGGGCCCTGGG
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 GAACCGTAACACAGATTTACAGATTGTGGAGCTGCAGCAGTTTTTCAGTAACATGTTGGAGGAACACCA
 GAGGATCAGAGTTTCATGCCAACTTACAGACAATAAAGAATGAAAACTGAAAAACAAGAAGCTAAGTGCC
 AGGATAGCTGCGTGGCTAAGGAGAAACACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Plasmid Map:


ACCN: NM_173800

ORF Size: 2970 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_173800.3](#), [NP_776161.2](#)

RefSeq Size: 4502 bp

RefSeq ORF: 2973 bp

Locus ID: 206338

UniProt ID: [Q6Q4G3](#)

Cytogenetics: 5q23.1

Protein Families: Protease, Transmembrane

Gene Summary: Metalloprotease which may be important for placentation by regulating biological activity of key peptides at the embryo-maternal interface. On synthetic substrates it shows a marked preference for Leu-4-methylcoumaryl-7-amide (Leu-MCA) over Met-MCA, Arg-LCA and Lys-LCA. Cleaves the N-terminal amino acid of several peptides such as angiotensin-3, kisspeptin-10 and endokinin C.[UniProtKB/Swiss-Prot Function]