

Product datasheet for **RG238188**

BECN2 (NM_001290693) Human Tagged ORF Clone

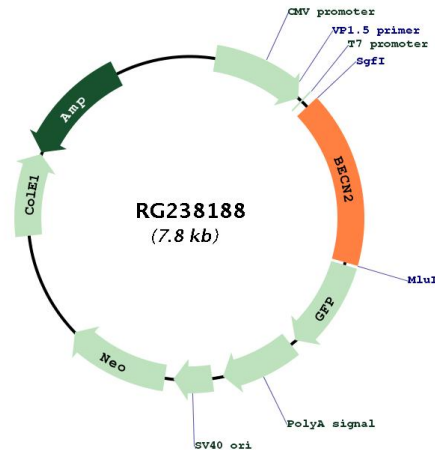
Product data:

Product Type:	Expression Plasmids
Product Name:	BECN2 (NM_001290693) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BECN2
Synonyms:	BECN1L1; BECN1P1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238188 representing NM_001290693. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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CTTATAAATTTCAAGTGGAGTCTCATCTGGTTGCCTCAAGGTATCAAAAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Plasmid Map:


ACCN: NM_001290693

ORF Size: 1293 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).

RefSeq: [NM_001290693.1](#), [NP_001277622.1](#)

RefSeq Size: 1296 bp

RefSeq ORF: 1296 bp

Locus ID: 441925

UniProt ID: [A8MW95](#)

Cytogenetics: 1q43

Protein Pathways: Regulation of autophagy

MW: 48.2 kDa

Gene Summary: Involved in 2 distinct lysosomal degradation pathways: acts as a regulator of autophagy and as a regulator of G-protein coupled receptors turnover. Regulates degradation in lysosomes of a variety of G-protein coupled receptors via its interaction with GPRASP1/GASP1. [UniProtKB/Swiss-Prot Function]