

## Product datasheet for **RG239555**

### Rabenosyn 5 (RBSN) (NM\_001302378) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rabenosyn 5 (RBSN) (NM_001302378) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rabenosyn 5
Synonyms:	Rabenosyn-5; ZFYVE20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239555 representing NM\_001302378.  
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
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CAAATTAAGTCTTGTCCAGAAGGCTAAAAAGCAAAGGACAGGTTGTTGAAACGAGAAGGGGATGAT
CGAGCAGAGTCAGGGACCAAGGATATGAGTCTTTCAGCTATGGAGGGTTGATCCTTACATGTGGGAA
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GATGAGGTAGAGGTGCTGACAGAGAATTCGCGGAGCTGAAGCACACCCTGGCCAAGCAGAAGGGGGG
ACTGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
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**Protein Sequence:** >Peptide sequence encoded by RG239555  
 Blue=ORF Red=Cloning site Green=Tag(s)

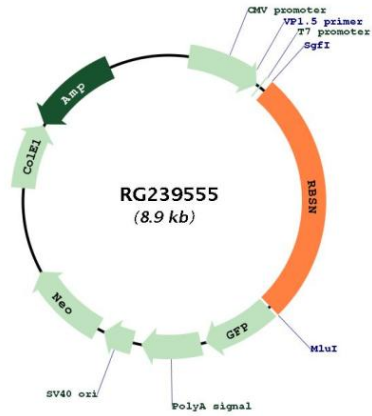
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ESLSTHTSPSQSPNSVHGSRRGSISSMSSVSSVLDEKDDDRIRCCTHCKDTLLKREQQIDEKEHTPDIV
KLYEKLRLCMEKVDQKAPEYIRMAASLNAGETTYLEHASDLRVEVQKVYELIDALSKKILTLGLNQDP
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LDEVEVLTENLRELKHTLAKQKGGTD
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNRIEKYEDGGVLHVSFSYRYEAGRIGDFKVMGTGFPE
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FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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**Restriction Sites:** Sgfl-Mlul



<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001302378.2</a>
<b>RefSeq Size:</b>	6540 bp
<b>RefSeq ORF:</b>	2355 bp
<b>Locus ID:</b>	64145
<b>UniProt ID:</b>	<a href="#">Q9H1K0</a>
<b>Cytogenetics:</b>	3p25.1
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Endocytosis
<b>MW:</b>	89.3 kDa
<b>Gene Summary:</b>	This gene encodes a protein that belongs to the FYVE zinc finger family of proteins. The encoded protein interacts with Ras-related proteins that regulate membrane trafficking. A missense mutation in this gene is associated with a defect in the early endocytic pathway. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]

Product images:



Circular map for RG239555