

## Product datasheet for **RG237379**

### TEX264 (NM\_001278195) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TEX264 (NM_001278195) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TEX264
Synonyms:	ZSIG11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237379 representing NM_001278195. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCGGACCTGCTACTACTGGCCTGATTGGGGCCTGACTCTTACTGCTGCTGACGCTGCTGGCC
TTTGCCGGTACTCAGGGCTACTGGCTGGGGTGAAGTGAGTGCTGGGTACCCCCATCCGCAACGTC
ACTGTGGCCTACAAGTTCACATGGGGCTCTATGGTGAGACTGGGCGCTTTTCACTGAGAGCTGCAGC
ATCTCTCCAAGCTCCGCTCCATCGCTGTCTACTATGACAACCCCCACATGGTCCCCCTGATAAGTGC
CGATGTGCCGTGGCAGCATCCTGAGTGAAGTGAGGAATCGCCCTCCCCTGAGCTCATCGACCTCTAC
CAGAAATTTGGCTCAAGGTGTTCTCCTCCCGGCACCCAGCCATGTGGTGACAGCCACCTCCCCTAC
ACCACCATTCTGTCCATCTGGCTGGCTACCCGCGTGTCCATCCTGCCTTGACACCTACATCAAGGAG
CGGAAGCTGTGTGCCTATCCTCGCTGGAGATCTACCAGGAAGACCAGATCCATTTTCATGTGCCACTG
GCACGGCAGGGAGACTTCTATGTGCCTGAGATGAAGGAGACAGAGTGAAATGGCGGGGGCTTGTGGAG
GCCATTGACACCCAGGTGGATGGCACAGGAGCTGACACAATGAGTGACACGAGTTCTGTAAGCTTGAA
GTGAGCCCTGGCAGCCGGGAGACTTCAGCTGCCACACTGTACCTGGGGCGAGCAGCCGTGGCTGGGAT
GACGGTGACACCCGAGCGAGCAGCTACAGCGAGTCAGGTGCCAGCGGCTCCTCTTTGAGGAGCTG
GACTTGGAGGGCGAGGGGCCCTTAGGGGAGTACGGCTGGACCCCTGGGACTGAGCCCTGGGACTACC
AAGTGGCTCTGGGAGCCACTGCCCTGAGAAGGGCAAGGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



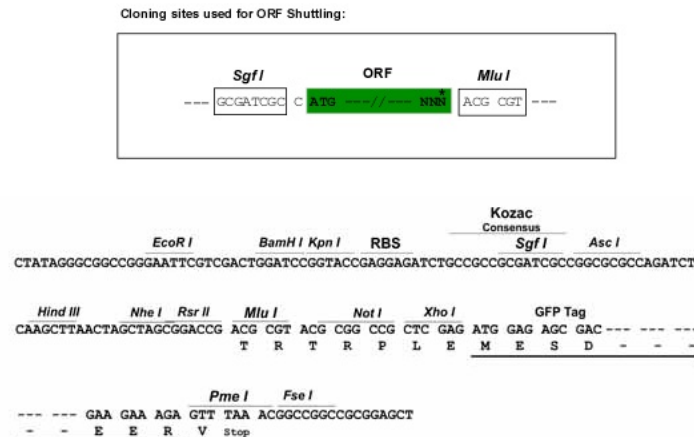
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG237379  
 Blue=ORF Red=Cloning site Green=Tag(s)

MSDLLLLGLIGLLTLLLLLTLAFAGYSGLLAGVEVSAGSPPIRNVTVAYKFHMGLYGETGRLFTESCS  
 ISPKLRSIAVYYDNPMMVPPDKRCRAVGSILSEGEESPSPELIDLYQKFGFKVFSFPAPSHVVTATFPY  
 TTILSIWLATRRVHPALDITYIKERKLCAYPRLEIYQEDQIHFMCLARQGDYVPEMKETEWKWRGLVE  
 AIDTQVDGTGADTMSDTSVSVLEVSPGSRSAATLSPGASSRGWDDGDRSEHSYSESGASGSSFEEL  
 DLEGEPLGESRLDPGTEPLGTTKWLWEPTAPEKGKE  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEL  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001278195

**ORF Size:** 939 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\\_001278195.1](#), [NP\\_001265124.1](#)

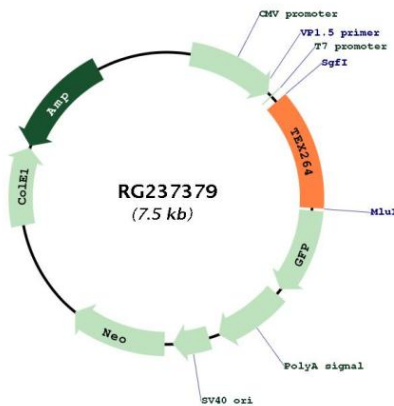
**RefSeq Size:** 1495 bp

**RefSeq ORF:** 942 bp

**Locus ID:** 51368  
**UniProt ID:** [Q9Y6I9](#)  
**Cytogenetics:** 3p21.2  
**Protein Families:** Secreted Protein, Transmembrane  
**MW:** 34.2 kDa

**Gene Summary:** Major reticulophagy (also called ER-phagy) receptor that acts independently of other candidate reticulophagy receptors to remodel subdomains of the endoplasmic reticulum into autophagosomes upon nutrient stress, which then fuse with lysosomes for endoplasmic reticulum turnover (PubMed:31006538, PubMed:31006537). The ATG8-containing isolation membrane (IM) cradles a tubular segment of TEX264-positive ER near a three-way junction, allowing the formation of a synapse of 2 juxtaposed membranes with trans interaction between the TEX264 and ATG8 proteins (PubMed:31006537). Expansion of the IM would extend the capture of ER, possibly through a 'zipper-like' process involving continued trans TEX264-ATG8 interactions, until poorly understood mechanisms lead to the fission of relevant membranes and, ultimately, autophagosomal membrane closure (PubMed:31006537). [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG237379