

Product datasheet for **SC204282**

TEX264 (NM_001129884) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TEX264 (NM_001129884) Human 3' UTR Clone
Symbol:	TEX264
Synonyms:	ZSIG11
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001129884
Insert Size:	337 bp
Insert Sequence:	>SC204282 3'UTR clone of NM_001129884 The sequence shown below is from the reference sequence of NM_001129884. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC CCCCTGCCCTGAGAAGGGCAAGGAG TA CCCATGGCCTGCACCCTCCTGCAGTGCAGTTGCTGAGGA ACTGAGCAGACTCTCCAGCAGACTCTCCAGCCCTCTTCTCCTCTCTGGGGGAGGAGGGGTTCTCTGA GGGACCTGACTTCCCCTGCTCCAGGCCTTTGCTAAGCCTTCTCCTCACTGCCCTTAGGCTCCCAGGG CCAGAGGAGCCAGGGACTATTTTCTGCACCAGCCCCAGGGCTGCCACCCTGTTGTGTCTTTTTTCA GACTCACAGTGGAGCTTCCAGGACCCAGAATAAAGCCAATGATTTACTTGTTCACCTGGA ACGCGT AAGCGGCCGCGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001129884.3</u>



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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]

Locus ID:

51368

MW:

12.3