

Product datasheet for **SC114528**

TEX264 (NM_015926) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEX264 (NM_015926) Human Untagged Clone
Tag:	Tag Free
Symbol:	TEX264
Synonyms:	ZSIG11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114528 sequence for NM_015926 edited (data generated by NextGen Sequencing)

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ATGTCGGACCTGCTACTACTGGGCTGATTGGGGCCTGACTCTCTTACTGCTGCTGACG
CTGCTGGCCTTTGCCGGTACTCAGGGCTACTGGCTGGGGTGAAGTGAGTGCTGGGTCA
CCCCCATCCGCAACGTCACTGTGGCCTACAAGTTCCACATGGGGCTCTATGGTGAGACT
GGGCGGCTTTTCACTGAGAGCTGCAGCATCTCTCCAAGCTCCGCTCCATCGCTGTCTAC
TATGACAACCCCAACATGGTGCCCCCTGATAAGTGCCGATGTGCCGTGGGAGCATCCTG
AGTGAAGGTGAGGAATCGCCCTCCCTGAGCTCATCGACCTCTACCAGAAATTTGGCTTC
AAGGTGTTCTCCTTCCCGGCACCCAGCCATGTGGTGACAGCCACCTTCCCTACACCACC
ATTCTGTCCATCTGGCTGGCTACCCGCGTGTCCATCCTGCCTTGGACACCTACATCAAG
GAGCGGAAGCTGTGTGCCTATCCTCGGCTGGAGATCTACCAGGAAGACCAGATCCATTTT
ATGTGCCCACTGGCAGCGGAGACTTCTATGTGCCTGAGATGAAGGAGACAGAGTGG
AAATGGCGGGGGCTTGTGGAGGCCATTGACACCCAGGTGGATGGCACAGGAGCTGACACA
ATGAGTGACACGAGTTCTGTAAGCTTGGAAAGTGAGCCCTGGCAGCCGGGAGACTTCAGCT
GCCACACTGTACCTGGGGCAGCAGCCGTGGCTGGGATGACGGTGACACCCGCAGCGAG
CACAGTACAGCGAGTCAGGTGCCAGCGGCTCCTCTTTTGGAGAGCTGGACTTGGAGGGC
GAGGGGCCCTTAGGGGAGTCACGGCTGGACCCTGGGACTGAGCCCCTGGGGACTACCAAG
TGGCTCTGGGAGCCCACTGCCCCTGAGAAGGGCAAGGAGTAA
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Clone variation with respect to NM_015926.4



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015926 unedited
 TTTTGTAAACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGGCTGAGCTGCCTT
 GAGGTGCAGTGTGGGGATCCAGAGCCATGTCGGACCTGCTACTACTGGGCTGATTGGG
 GGCCTGACTCTTACTGCTGCTGACGCTGCTGGCCTTTGCCGGTACTCAGGGCTACTG
 GCTGGGGTGAAGTGAGTGTGGGTCACCCCCATCCGCAACGTCCTGTGGCCTACAAG
 TTCCACATGGGGCTCTATGGTGAGACTGGGCGGCTTTTCACTGAGAGCTGCAGCATCTCT
 CCCAAGTCCGCTCCATCGTCTACTATGACAACCCACATGGTGCCCTGATAAG
 TGCCGATGTGCCGTGGGACAGCATCCTGAGTGAAGGTGAGGAATCGCCCTCCCTGAGCTC
 ATCGACCTCTACCAGAAATTTGGCTTCAAGGTGTTCTCCTTCCCGCACCCAGCCATGTG
 GTGACAGCCACCTTCCCCTACACCACCATTCTGTCCATCTGGCTGGCTACCCGCCGTGTC
 CATCTGCCTTGGACACCTACATCAAGGAGCGGAAGCTGTGTGCCTATCCTCGGCTGGAG
 ATCTACCAGGAAGACCAGATCCATTTTATGTGCCACTGGCACGGCAGGGAGACTTCTAT
 GTGCCTGAGATGAAGGAGACAGAGTGAAATGGCGNGGCTTGTGGAGGCCATTGACACC
 CAGGTGGATGGCACAGGAGCTGACACANTGAGTGACACGAGTTCTGTTAGCTTGAAGTG
 AGCCCTGNCAGCCGGGAGACTTCAGCTGCCACACTGTCACCTGGGGCAGCAGCCGTGGC
 TGGGATGACGGTGACACCCGAGCGAGCACAGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015926 unedited
 NTTTTACTCTGGACCGGCCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTCCAG
 GTGAAACAAGTAAATCATTGGCTTTATTCTGGGTCCTGGAAGCTCCACTGTGAGTCTGAA
 AAAAAGACACAACAGGGCGGCAGCCCTGGGGCTGGTGCAGAAAATAGTCCCTGGCTCC
 TCTGGCCCTGGGAGCCTAAAGGGCAGTGAGGAGAAGGCTTAGCAAGAGCCTGGAGCAGG
 GGAAGTCAGGTCCCTCAGGAACCCCTCCTCCCCAGAGGAAGGAGGAAGGGCTGGAGA
 GTCTGCTGGAGAGTCTGCTCAGTTCCTCAGCAACTGCACTGCAGGAGGGTGCAGGCCATG
 GGTACTCCTTGGCCTTCTCAGGGCAGTGGGCTCCCAGAGCCACTTGGTAGTCCCAGG
 GGCTCAGTCCCAGGGTCCAGCCGTGACTCCCCTAAGGGCCCTCGCCCTCCAAGTCCAGC
 TCCTCAAAGAGGAGCCGCTGGCACCTGACTCGTGTAGCTGTGCTCGTGGGTGTCA
 CCGTATCCCAGCCACGGCTGCTCGCCCCAGGTGACAGTGTGGCAGCTGAAGTCTCCCG
 CTGCCAGGGTCACTTCCAAGCTTACAGAACTCGTGCCACTCATTGGGTGAGTCTCTGTG
 CCATCCACCTGGGTGTCAATGGCCTCCACAGCCCCGCCATTTNCACTCTGGTCTCTTCA
 TCTAAGGCACATAGAAGTCTTCTGCGGGCCAGTGGGCACATGACATGGATCTGGCCTT
 CCTGGGAATACTTCAACCCGAGGATAGGCAACCCGCTCCCGTTTCTTGATGGAGGTGCT
 CAAAGCCAGAATGCACACGCGGCTACTACCCCTATGCACAGATTGCTCGTGTGGGGC
 ATGGTGCT

Restriction Sites:

NotI-NotI

ACCN:

NM_015926

Insert Size:

1370 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<ol style="list-style-type: none">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_015926.3 , NP_057010.1
RefSeq Size:	1601 bp
RefSeq ORF:	942 bp
Locus ID:	51368
UniProt ID:	Q9Y6I9
Cytogenetics:	3p21.2
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Variants 1, 2, 4, 5, and 7 encode the same isoform.</p>