

Product datasheet for **SC332018**

TEX264 (NM_001243726) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TEX264 (NM_001243726) Human Untagged Clone
Tag: Tag Free
Symbol: TEX264
Synonyms: ZSIG11
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332018 representing NM_001243726.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCGGACCTGCTACTACTGGCCTGATTGGGGCCTGACTCTCTTACTGCTGCTGACGCTGCTGGCC
TTTGCCGGTACTCAGGGCTACTGGCTGGGGTGGAAAGTGAGTGCTGGGTACCCCCATCCGCAACGTC
ACTGTGGCCTACAAGTTCACATGGGGCTCTATGGTGAGACTGGGCGGCTTTTCACTGAGAGCTGCAGC
ATCTCTCCCAAGCTCCGCTCCATCGCTGTCTACTATGACAACCCACATGGTGGCCCTGATAAGTGC
CGATGTGCCGTGGCAGCATCCTGAGTGAAGGTGAGGAATCGCCCTCCCCTGAGCTCATCGACCTCTAC
CAGAAATTTGGCTCAAGGTGTTCTCCTTCCCGGCACCCAGCCATGTGGTGACAGCCACCTCCCCTAC
ACCACCATTCTGTCCATCTGGCTGGCTACCCGCGTGTCCATCCTGCCTTGGACACCTACATCAAGGAG
CGGAAGCTGTGTGCCTATCCTCGCTGGAGATCTACCAGGAAGACCAGATCCATTTTCATGTGCCACTG
GCACGGCAGGGAGACTTCTATGTGCCTGAGATGAAGGAGACAGAGTGAAATGGCGGGGGCTTGTGGAG
GCCATTGACACCCAGGTGGATGGCACAGGAGCTGACACAATGAGTGACACGAGTTCTGTAAGCTTGGAA
GTGAGCCCTGGCAGCCGGGAGACTTCACTGCCACTGTACCTGGGGCGAGCAGCCGTGGCTGGGAT
GACGGTGACACCCGAGCGAGCAGCTACAGCGAGTCAGGTGCCAGCGGCTCCTCTTTGAGGAGCTG
GACTTGGAGGGCGAGGGCCCTTAGGGGAGTCACGGCTGGACCTGGGACTGAGCCCTGGGGACTACC
AAGTGGCTCTGGGAGCCACTGCCCTGAGAAGGGCAAGGAGTAA
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Restriction Sites: SgfI-MluI
ACCN: NM_001243726
Insert Size: 942 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:

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_001243726.1](#)

RefSeq Size: 1357 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]

Transcript Variant: This variant (4) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 4, 5, and 7 encode the same isoform (1).