

## Product datasheet for **RC200008**

### TEX264 (NM\_015926) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TEX264 (NM_015926) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TEX264
Synonyms:	ZSIG11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC200008 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCGGACCTGCTACTACTGGGCCTGATTGGGGCCTGACTCTTTACTGCTGCTGACGCTGCTGGCCT  
TTGCCGGTACTCAGGGCTACTGGCTGGGTGGAAGTGAGTGCTGGGTCACCCCCATCCGCAACGTCAC  
TGTGGCCTACAAGTCCACATGGGGCTCTATGGTGAGACTGGGCGCTTTTCACTGAGAGCTGCAGCATC  
TCTCCCAAGCTCCGCTCCATCGCTGTCTACTATGACAACCCACATGGTGCCCCCTGATAAGTGCCGAT  
GTGCCGTGGGCAGCATCCTGAGTGAAGGTGAGGAATCGCCCTCCCTGAGCTCATCGACCTACCAGAA  
ATTTGGCTTCAAGGTGTTCTCCTTCCCGGCACCCAGCCATGTGGTGACAGCCACCTTCCCTACACCACC  
ATTCTGTCCATCTGGCTGGCTACCCGCGTGTCCATCCTGCCTTGGACACCTACATCAAGGAGCGGAAGC  
TGTGTGCCTATCCTCGGCTGGAGATCTACCAGGAAGACCAGATCCATTTTCATGTGCCACTGGCAGGCA  
GGGAGACTTCTATGTGCCTGAGATGAAGGAGACAGAGTGAAATGGCGGGGGCTTGTGGAGGCCATTGAC  
ACCCAGGTGGATGGCACAGGAGCTGACACAATGAGTGACACGAGTCTGTAAGCTTGAAGTGAGCCCTG  
GCAGCCGGGAGACTTCACTGCCACTGTCACCTGGGGCGAGCAGCCGTGGCTGGGATGACGGTGACAC  
CCGACGCGAGCACAGCTACAGCGAGTCAGGTGCCAGCGGCTCCTCTTTGAGGAGCTGGACTTGGAGGGC  
GAGGGGCCCTTAGGGGAGTCACGGCTGGACCCTGGGACTGAGCCCTGGGGACTACCAAGTGGCTCTGG  
AGCCCACTGCCCTGAGAAGGGCAAGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC200008 protein sequence  
 Red=Cloning site Green=Tags(s)

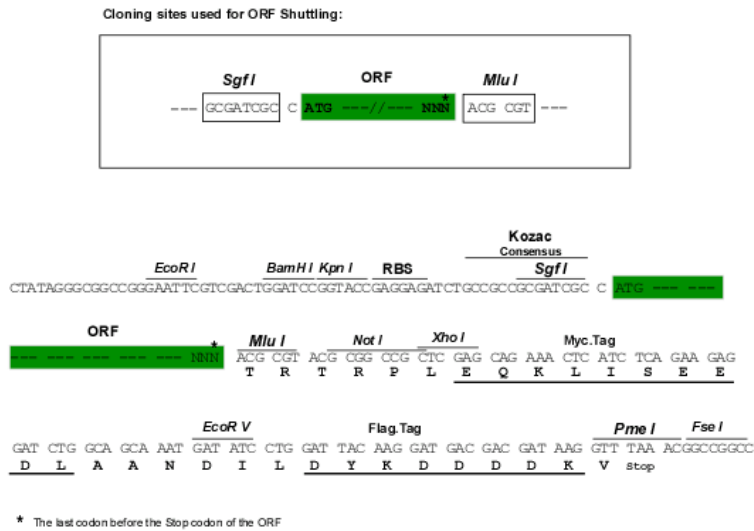
MSDLLLLGLIGGLLLLLLLTLLAFAGYSGLLAGVEVSAGSPPIRNVTVAYKFMGLYGETGRLFTESCISI  
 SPKLRSIAVYYDNPHMVPPDKRCRAVGSILSEGEESPSPELIDL YQKFGFKVFSFPAPSHVVTATFPYTT  
 ILSIWLATRRVHPALDITYIKERKLCAYPRLEIYQEDQIHFMCLARQGDYVPEMKETEWKWRGLVEAID  
 TQVDGTGADTMSDTSVSVLEVSPGSRSAATLSPGASSRGWDDGDRSEHSYSESGASGSSFEELDLEG  
 EGPLGESRLDPGTEPLGTTKWLWEPTAPEKGKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

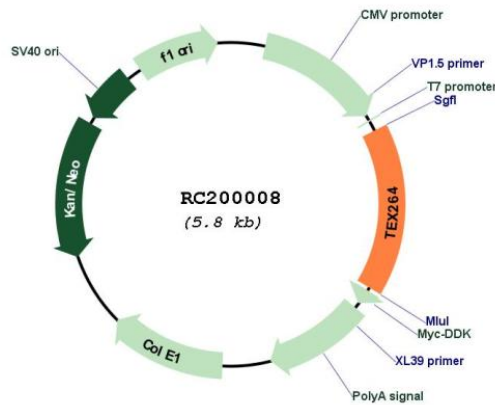
Chromatograms: [https://cdn.origene.com/chromatograms/mk6627\\_f10.zip](https://cdn.origene.com/chromatograms/mk6627_f10.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

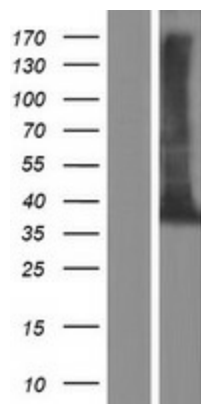


Plasmid Map:

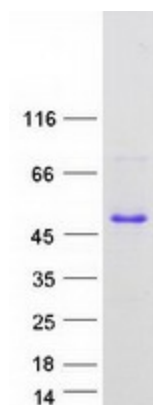


ACCN: NM\_015926

<b>ORF Size:</b>	939 bp
<b>OTI Disclaimer:</b>	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>
<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>RefSeq:</b>	<a href="#">NM_015926.6</a>
<b>RefSeq Size:</b>	1403 bp
<b>RefSeq ORF:</b>	942 bp
<b>Locus ID:</b>	51368
<b>UniProt ID:</b>	<a href="#">Q9Y6I9</a>
<b>Protein Families:</b>	Secreted Protein, Transmembrane
<b>MW:</b>	34.2 kDa
<b>Gene Summary:</b>	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:**

Western blot validation of overexpression lysate (Cat# [LY427069]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC225442] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TEX264 protein (Cat# [TP300008]). The protein was produced from HEK293T cells transfected with TEX264 cDNA clone (Cat# RC200008) using MegaTran 2.0 (Cat# [TT210002]).