OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC336763

Trehalase (TREH) (NM_001301065) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trehalase (TREH) (NM_001301065) Human Untagged Clone
Tag:	Tag Free
Symbol:	TREH
Synonyms:	TRE; TREA; TREHD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC336763 representing NM_001301065.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAGGGAGGACCTGGGAGCTGTGCCTGCTACTGCTGCTGGGGCTGGGACTGGGGTCCCAGGAGGCC
CTACCCCCACCCTGTGAGAGTGAGATTTACTGCCACGGGGAGCTCCTAAACCAAGTTCAAATGGCCAAG
CTCTACCAGGATGACAAGCAGTTTGTGGACATGCCACTGTCTATAGCTCCAGAACAAGTCCTGCAGACC
TTCACTGAGCTGTCCAGGGACCACAATCACAGCATCCCCAGGGAGCAGCTGCAGGCGTTTGTCCACGAA
CACTTCCAGGCCAAGGGGCAGGAGCTGCAGCCCTGGACCCCTGCAGACTGGAAAGACAGCCCCCAGTTC
CTGCAGAAGATTTCAGATGCCAAACTGCGTGCCTGGGCAGGGCAGCTGCATCAGCTCTGGAAGAAGCTG
GGGAAGAAGATGAAGCCAGAGGTTCTCAGCCACCCTGAGCGGTTCTCTCTCATCTACTCAGAACATCCC
TTCATTGTGCCTGGCGGTCGCTTTGTTGAGTTCTACTACTGCTATGGGCATGTCCCCAATGGTGGGCGC
GTGTACTACCTGCAGCGGAGCCAGCCCCCACTCTTGACCCTCATGATGGATTGCTACTTGACTCACACC
AATGACACCGCCTTTCTACAGGAAAACATTGAAACACTAGCCTTGGAATTGGACTTTTGGACCAAGAAC
AGGACTGTCTCTGTGAGCTTGGAGGGAAAGAACTACCTCCTGAATCGCTATTATGTCCCTTATGGGGGA
CCCAGGCCTGAGTCCTACAGCAAAGATGTGGAGTTGGCTGACACCTTGCCAGAAGGAGACCGGGAGGCT
CTGTGGGCTGAGCTCAAGGCTGGGGCTGAGTCTGGCTGGGACTTCTCTTCACGCTGGCTCATTGGAGGC
CCAAACCCCAACTCGCTTAGCGGCATCCGAACAAGCAAACTGGTGCCTGTTGACCTGAATGCCTTCCTA
TGCCAAGCAGAGGAGCTGATGAGCAACTTCTATTCCAGGCTGGGGAACGACTCCCAGGCCACGAAGTAC
AGAATCCTGCGGTCGCAGCGCTTGGCCGCCCTGAACACAGTCCTGTGGGATGAGCAGACCGGAGCCTGG
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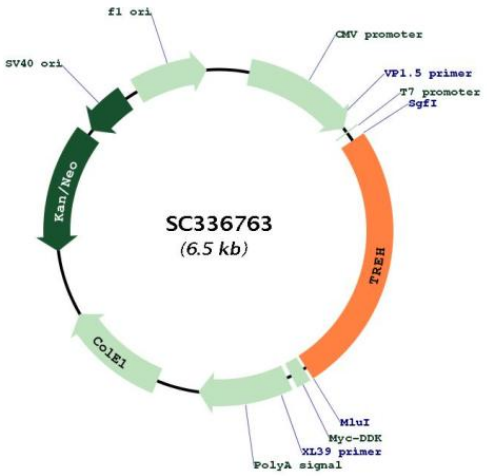
GCCGGGTGTTTCTCTGACCCTGGCGTGGCGGACAAGGCTCTGAAATACCTGGAGGACAACCGGATCCTG
ACTTACCAGTATGGGATCCCGACCTCTCTCCAGAAGACAGGCCAGCAGTGGGATTTCCCCAATGCCTGG
GCCCCCCTGCAGGACCTGGTCATCAGAGGCCTGGCCAAGGCACCTTTACGTCGGGCCCAGGAAGTGGCT
TTCCAGCTGGCTCAGAATTGGATCCGAACCAATTTTGATGTCTACTCGCAGAAGTCAGCCATGTATGAG
AAGTATGACGTCAGCAACGGTGGACAGCCCGGTGGGGGAGGAGAATATGAAGTTCAGGAGGGATTTGGC
TGGACGAATGGCGTGGTCCTGATGCTGCTGGACCGCTATGGTGACCGGCTGACCTCAGGGGCCAAGCTG
GCTTTCCTGGAGCCCCACTGCCTGGCGGCCACCCTTCTGCCCAGCCTCCTGCTCAGCCTCCTGCCATGG
TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001301065
Insert Size:	1659 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_001301065.1
RefSeq Size:	1781 bp
RefSeq ORF:	1659 bp
Locus ID:	11181
UniProt ID:	O43280
Cytogenetics:	11q23.3
Protein Pathways:	Starch and sucrose metabolism
MW:	62.9 kDa

Gene Summary: This gene encodes an enzyme that hydrolyses trehalose, a disaccharide formed from two glucose molecules found mainly in fungi, plants, and insects. A partial duplication of this gene is located adjacent to this locus on chromosome 11. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.