

Product datasheet for **RG238869**

Trehalase (TREH) (NM_001301065) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trehalase (TREH) (NM_001301065) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TREH
Synonyms:	TRE; TREA; TREHD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238869 representing NM_001301065.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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Protein Sequence:

>Peptide sequence encoded by RG238869
 Blue=ORF Red=Cloning site Green=Tag(s)

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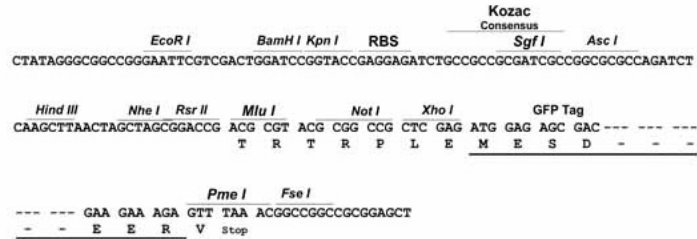
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Restriction Sites:

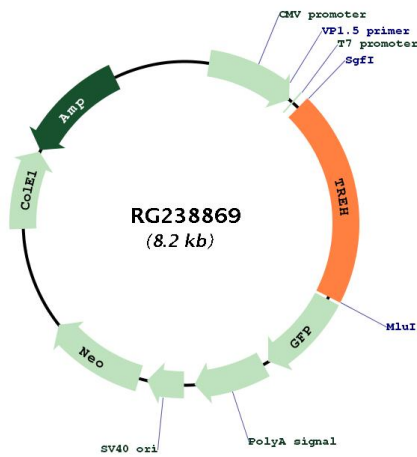
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_001301065
ORF Size:	1656 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
RefSeq:	NM_001301065.2
RefSeq Size:	1781 bp
RefSeq ORF:	1659 bp
Locus ID:	11181
UniProt ID:	O43280
Cytogenetics:	11q23.3
Protein Pathways:	Starch and sucrose metabolism
MW:	63.4 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]