

Product datasheet for **RG233845**

FAM47E-STBD1 (NM_001242939) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM47E-STBD1 (NM_001242939) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM47E-STBD1
Synonyms:	FAM47E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233845 representing NM_001242939 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCGGACCGCAGGCGGCGGCTCCGGCCGGGACGTTGGCCCCGGTGCGCGAGGGCGTGAAGTGCAGGT
 CCAGATGTTTCAAAAGCACAGAACGGGCTGAAGTCCCCACCTCTCTGCACAGCCGGCAGTTGGTATT
 TCCAAGAAAGGGCTGGACGACTTCAGGAAGGGCTGCCCGCCTTGCACTGGTCTGGTGAAGTCAAGC
 GTGGAGGGCTTTCTGCCCAGATTTATCACAGAGCTCCCAACTGGCCCCAAAGAAGAGGCAGATCAAGC
 TGCTCAAGGAAGCAGACGTGCTTTCCAAGCTCTCGCCAGCCAGCAGGCTCGGAAGGCATTCCTGGAGGA
 CGTGGAGGCCACCTGACCCACATCCCTAGCGCTCTACCTGAATCTGGAAGAAGCTATGCCCATAGAG
 CTCTTATCAAAGGTGCTGGAAGTCTTGATCCTGACCGGAAGCTGGAGGACACATGGGCTTATTGTCAAG
 ACACCAGGAAAGGAATGAAGGAACCCACGAAGCTTTTAAAAAACATTCTACCCAAGTCTACCTGGGACC
 TTCCAAGAAGACGTCTGTGTCAAACGCAGGCCAATGGCTTTATGAAGAAAGCCACATAAAATGGATTTG
 CTCCATGAAAATGGTCTCGTCTGGTCTTCATGAAAATGGAATTTGGACATCGATGAAGATTCATCT
 TGAAACAGTTTGACATTGACTATGAGACCAACCAAGCCATGATGCGCTCCACACGATGAAGCTAAATCA
 GGTTCTCTGGAGCTAAAGCGTAGTGTGGGGCTCAGTAACTGCAGGAGACAGAGTCTTCCAGAACTA
 GGCTATGAGAGGAACTCCAGAAACACAGAATCCTTATAAGCCAAAGTGGGTGAAGATGAGGTATGGAG
 CATGGTATTTGAACCCCAAGTTGTGAAAAAGCAAAGAGTAGACGAGCCTCTGGTTGACCTGAGGTCTC
 ACATAAGGCTCAAGAGGAGAATTTTAAAAAGGAGCTGCAGGAACAGAGCATCTTCAAGAAAGCAATGGAC
 ATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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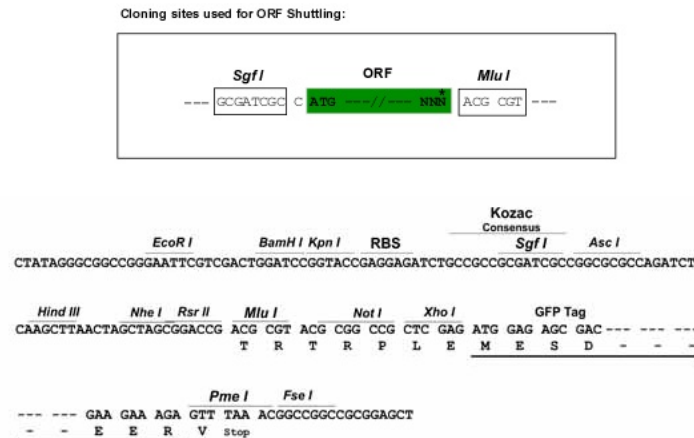
Protein Sequence: >RG233845 representing NM_001242939
 Red=Cloning site Green=Tags(s)

MADRRRLRPGLAPVREGVNCRCFTKHKNGLKFPTSLHSRQLVFPRKGLDDFRKGCPPTGLVTQVP
 VEGFLPQIYHRAPQLAPKKRQIKLLKEADVL SKLSPAQQARKAFLEDVEAHLTPHPLALYLNLEEAMPIE
 LLSKVLEVLPDRKLEDTWAYCQDTRKGMKEPTKLLKKHSTQVYLGPSKKTSVSNAGQWL YEEKPHKMDL
 LHENGPRPGLHENGISDIDEEF ILKQFDIDYETKPSHDALHTMKLNQVPLELKRSVGLSKLQETEFFQKL
 GYERKLQKPQNPYKPKWVKMRYGAWYLNPKLWKKQRVDEPLVDPEVSHKAQEENFKKELQEQSIFKKAMD
 I

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001242939

ORF Size: 1053 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).

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_001242939.1](#), [NP_001229868.1](#)

RefSeq Size: 3060 bp

RefSeq ORF: 1056 bp

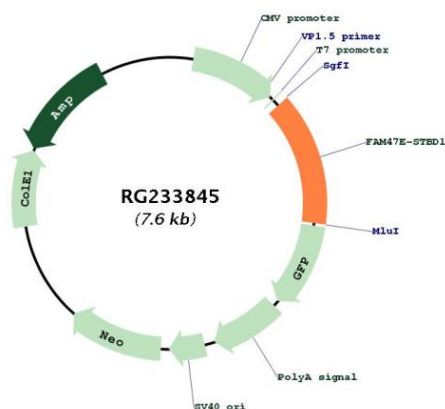
Locus ID: 100631383

UniProt ID: [Q6ZV65](#)

Cytogenetics: 4q21.1

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring FAM47E (family with sequence similarity 47, member E) and STBD1 (starch binding domain 1) genes on chromosome 4. The read-through transcript encodes a protein that shares sequence identity with the upstream gene product but its C-terminal region is distinct due to frameshifts relative to the downstream gene. [provided by RefSeq, Jul 2011]

Product images:



Circular map for RG233845