

Product datasheet for **RC207317**

RFESD (NM_173362) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RFESD (NM_173362) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RFESD
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC207317 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATCTTGATGGCTCTGCACAAGATCCTGAAAAGAGGGAATATTCTTCTGTGTGTGGGCAGAGAAG
 ATGACATTAATAAATCTGAAAGAATGACAGCTGTTGTCCATGATAGAGAAGTGGTCATTTTCTACCACAA
 GGGAGAATATCATGCTATGGATATTCGCTGTACCACTCAGGAGGACCTTACATTTGGGAGATATAGAG
 GATTTTGTGGACGACCGTGTATAGTTTGCCCTGGCATAAATACAAAATTACTTTGGCAACAGGAGAAG
 GTCTGTACCACTCTATAAACCTAAAGATCCATCAGCAAAACCAAGTGGTCTCCAAGGAATAAAGCA
 AAGGATTACACAGTGACAGTAGACAACGAAATATTTATGTGACTCTTTCTAATGAACCTTTAAGTGT
 GACTCTGATTTTATGCCACTGGAGACTTCAAAGTAATTAAGAGTTCTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC207317 protein sequence
 Red=Cloning site Green=Tags(s)

MNLDGSAQDPEKREYSSVCVGREDDIKKSERMTAVVHDREVVIFYHKGEYHAMDIRCYHSGGPLHLGDIE
 DFDGRPCIVCPWHKYKITLATGEGLYQSINPKDPSAKPKWCSKGIKQRIHTVTVDNGNIYVTL SNEPFKC
 DSDFYATGDFKVIKSSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6023_c03.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_173362

ORF Size: 471 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_173362.3](#)

RefSeq Size: 2716 bp

RefSeq ORF: 474 bp

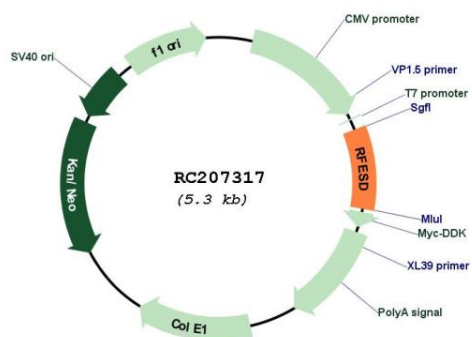
Locus ID: 317671

UniProt ID: Q8TAC1

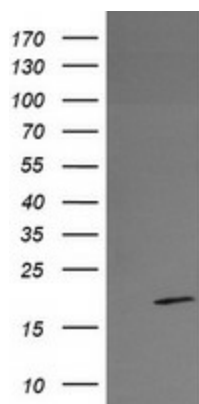
Cytogenetics: 5q15

MW: 17.8 kDa

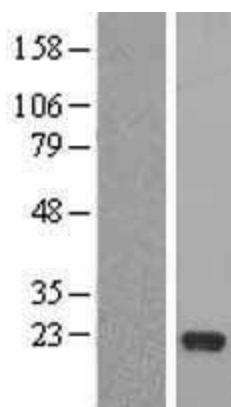
Product images:



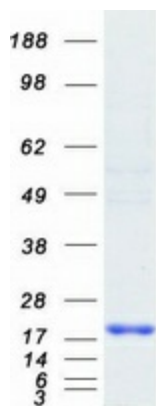
Circular map for RC207317



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY RFESD (Cat# RC207317, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RFESD (Cat# [TA505809]). Positive lysates [LY403551] (100ug) and [LC403551] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY403551]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207317 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RFESD protein (Cat# [TP307317]). The protein was produced from HEK293T cells transfected with RFESD cDNA clone (Cat# RC207317) using MegaTran 2.0 (Cat# [TT210002]).