

Product datasheet for **RC220928**

SAMD13 (NM_001010971) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SAMD13 (NM_001010971) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SAMD13
Synonyms: HSD-41; HSD-42
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC220928 representing NM_001010971
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGGGAGTTGCTGAAGTAAAGGAACCTGCAGCCTTCCCATGCTATCTGTTGACATGGAAAACAAGG
AAAATGGCTCTGTCGGTGTAAAAATCCATGGAAAATGGGAGACCACCTGATCCTGCAGACTGGCCGT
GATGGATGTCGTCATTATTTCCGAACCGTGGGATTTGAGGAGCAAGCTAGTGCTTTTCAGGAACAGGAA
ATTGATGGAAAATCCCTGCTATTGATGACAAGAAATGATGTGTTGACAGGACTTCAGTTAAAATTGGGGC
CTGCTTGAAAATCTACGAATATCATGTAAAACCTCTGCAGACAAAGCATTAAAGAACAACCTCTTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220928 representing NM_001010971
Red=Cloning site Green=Tags(s)
MRGVAEVKEPCSLPMLSDMENKENGSGVGVKNSMENGRPPDPADWAVMDVVNYFRFTVGFEEQASAFQEQE
IDGKSLLLMTRNDVLTGLQLKLGPAIKIYEHVKPLQTKHLKNNSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8041_f06.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001010971

ORF Size: 348 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_001010971.3](#)

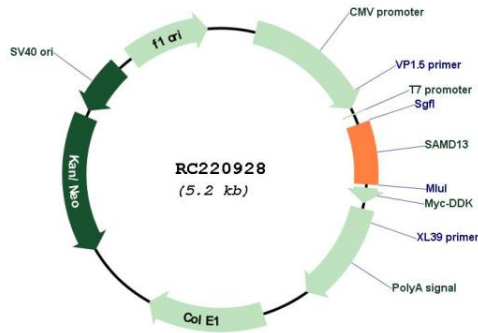
RefSeq Size: 1566 bp

RefSeq ORF: 351 bp

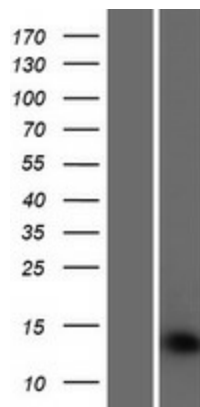
Locus ID: 148418

UniProt ID: [Q5VXD3](#)
 Cytogenetics: 1p31.1
 MW: 12.8 kDa

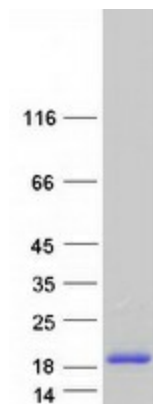
Product images:



Circular map for RC220928



Western blot validation of overexpression lysate (Cat# [LY423246]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220928 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SAMD13 protein (Cat# [TP320928]). The protein was produced from HEK293T cells transfected with SAMD13 cDNA clone (Cat# RC220928) using MegaTran 2.0 (Cat# [TT210002]).