

Product datasheet for RC228023

Small integral membrane protein 6 (SMIM6) (NM_001162997) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Small integral membrane protein 6 (SMIM6) (NM_001162997) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Small integral membrane protein 6
Synonyms: C17orf110; ELN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC228023 representing NM_001162997
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGACCAACTGGTATTCAAAGAGACAATCTGGAATGATGCGTTCTGGCAGAACCCTGGGACCAGGGGG
 GCCTGGCAGTGATTATCTTATTCATCACCGCTGCTGCTTCTCATCTTATTTGCCATCGTGTGGTTT
 ACTCACTTCCACAGAAACACTCAGTGTGAAGCGGGTGAAGAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228023 representing NM_001162997
 Red=Cloning site Green=Tags(s)

MDQLVFKETIWNDAFWQNPWDQGGGLAVIILFITAVLLLILFAIVFGLLTSTENTQCEAGEEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8037_e02.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001162997

ORF Size: 186 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:

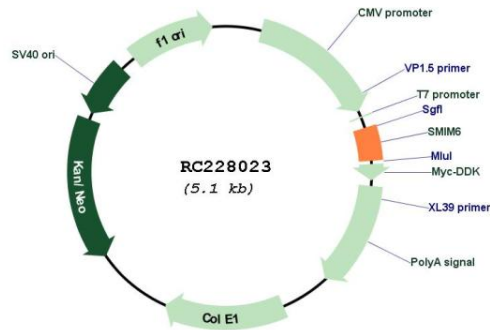
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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.

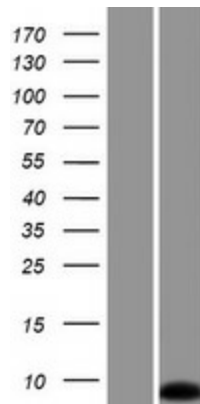
RefSeq: NM_001162997.2

RefSeq ORF: 189 bp
 Locus ID: 100130933
 UniProt ID: [P0DI80](#)
 Cytogenetics: 17q25.1
 MW: 6.8 kDa

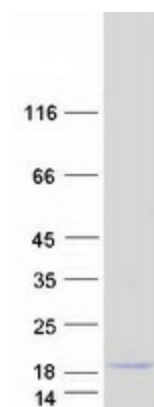
Product images:



Circular map for RC228023



Western blot validation of overexpression lysate (Cat# [LY431051]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228023 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SMIM6 protein (Cat# [TP328023]). The protein was produced from HEK293T cells transfected with SMIM6 cDNA clone (Cat# RC228023) using MegaTran 2.0 (Cat# [TT210002]).