

Product datasheet for RC213295

C17orf87 (SCIMP) (NM_207103) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C17orf87 (SCIMP) (NM_207103) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C17orf87
Synonyms:	C17orf87; UNQ5783
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213295 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGATACTTTCACAGTTCAGGATTCCTGCAATGAGCTGGTGGAGGAATAATTTCTGGATCATCTTAG
 CTGTGGCCATCATCGTTGTCTGTGGGTCTGGGCCTCATCTGTACTGTGTCTGTAAGTGGCAGCTTAG
 ACGAGGCAAGAAATGGGAAATTGCCAAGCCCCTGAAACACAAGCAAGTAGATGAAGAAAAGATGTATGAG
 AATGTTCTTAATGAGTCGCCAGTTCAATTACCGCCTCTGCCACCGAGGAATTGGCCTTCTCTAGAAGACT
 CTTCCCCACAGGAAGCCCAAGTCAGCCGCCGCTACATACTCACTGGTAAATAAAGTTAAAAATAAGAA
 GACTGTTTCCATCCCAAGCTACATTGAGCCTGAAGATGACTATGACGATGTTGAAATCCCTGCAAACTACT
 GAAAAAGCATCATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC213295 protein sequence Red=Cloning site Green=Tags(s)
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MDTFTVQDSTAMSWWRNFWIILAVAIIVSVGLGLILYCVCKWQLRRGKKWEIAKPLKHKQVDEEKMYE
 NVLNESPVQLPPLPPRNWPSLEDSSPQEAPSQPPATYSLVNKVNKKTIVSIPSYIEPEDDYDDVEIPANT
 EKASF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	https://cdn.origene.com/chromatograms/mk6606_c10.zip
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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_207103

ORF Size: 435 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_207103.3](#)

RefSeq Size: 2424 bp

RefSeq ORF: 438 bp

Locus ID: 388325

UniProt ID: [Q6UWF3](#)

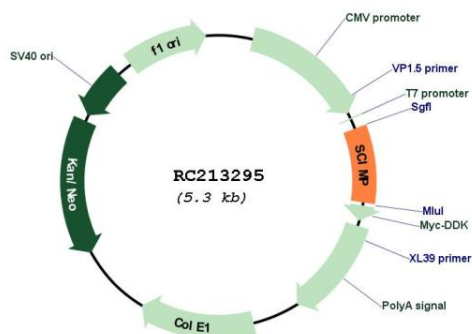
Cytogenetics: 17p13.2

Protein Families: Transmembrane

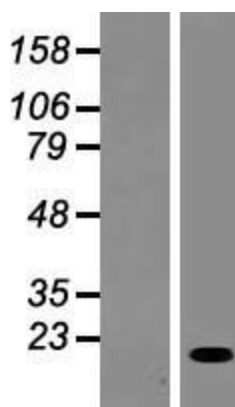
MW: 16.6 kDa

Gene Summary: This gene encodes a transmembrane adaptor protein that is expressed in antigen-presenting cells and is localized in the immunologic synapse. The encoded protein is involved in major histocompatibility complex class II signal transduction and immune synapse formation. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2012]

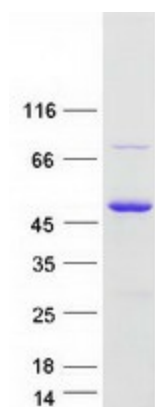
Product images:



Circular map for RC213295



Western blot validation of overexpression lysate (Cat# [LY404112]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213295 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SCIMP protein (Cat# [TP313295]). The protein was produced from HEK293T cells transfected with SCIMP cDNA clone (Cat# RC213295) using MegaTran 2.0 (Cat# [TT210002]).