

Product datasheet for RC217993

Sphingosine 1 phosphate phosphatase 2 (SGPP2) (NM_152386) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sphingosine 1 phosphate phosphatase 2 (SGPP2) (NM_152386) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sphingosine 1 phosphate phosphatase 2
Synonyms:	SPP2; SPPase2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217993 representing NM_152386 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGAGCTGCTGCGGAGCCTGCAGGATCCCAGCTCGTCGCCCGCTCCAGCGCCGCTGCGGGCTCT
TCCCCGCTCCGGATGAAGGCCCCCGGGAGAACGGCGCGGACCCACGGAGCGCGCGGGTCCCCGG
GGTCGAGCATCTCCCCGAGCCAACGGCAAGGGCGGCGAGGCTCCGGCCAACGGGCTGCGCAGAGCCGG
GCGCCGGAGGCTTATGTACAGAAGTACGTCGTGAAGAATTATTTCTACTATTACCTATTCCAATTTTCAG
CTGCTTTGGGCCAAGAAGTGTCTACATCAGTTTCTTCCATTCACTCACTGGAATATTGACCCTTATTT
ATCCAGAAGATTGATCATCATATGGGTTTTGGTGATGTATATTGGCCAAGTGGCCAAGGATGTCTTGAAG
TGGCCCCGTCCCTCCCTCCCTCCAGTTGTAAAAGTGGAAAAGAGACTGATCGCTGAATATGGAATGCCAT
CCACCCACGCCATGGCGGCCACTGCCATTGCCCTCACCTCCTTATCTCTACTATGGACAGATACCGATA
TCCATTTGTGTTGGGACTGGTGATGGCCGTGGTGTTCACCTTGGTGTGTCTCAGCAGGCTCTACACT
GGGATGCATACGGTCTGGATGTGCTGGTGGCGTCTGATCACCGCACTCCTCATCGTCTCACCTACC
CTGCCTGGACCTCATCGACTGCCTGGACTCGGCCAGCCCCCTCTCCCCGTGTGTGTATAGTTGTGCC
ATTTCTTCTGTGTTACAATTACCCTGTTTCTGATTACTACAGCCCAACCCGGGCGGACACCACCACATT
CTGGTGCCGGGGCTGGAGTGACCATAGGATTCTGGATCAACATTTCTCCAGTTGTATCCAAGCCCG
CTGAATCTCTCCCTGTTATTCAGAATCCCACTCACCTACATGTTAGTTTGGGTCTGACCAA
ATTTGCAGTGGGAATTGTGTTGATCCTCTTGGTTCGTCAGCTTGTACAAAATCTCTCACTGCAAGTATTA
TACTCATGGTTCAAGGTGGTCCAGGAACAAGGAGGCCAGGCGGAGACTGGAGATTGAAGTGCCTTACA
AGTTTGTACCTACATCTGTTGGCATCTGCGCTACAACCTTTGTGCCGATGCTTACAGGTTTCTGGG
ATTACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_152386.4](#)

RefSeq Size: 1200 bp

RefSeq ORF: 1200 bp

Locus ID: 130367

UniProt ID: [Q8IWX5](#)

Cytogenetics: 2q36.1

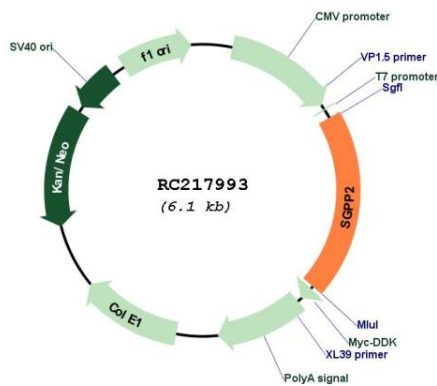
Protein Families: Transmembrane

Protein Pathways: Sphingolipid metabolism

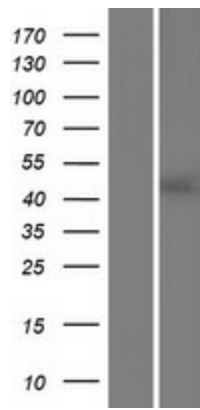
MW: 44.6 kDa

Gene Summary: The protein encoded by this gene is a transmembrane protein that degrades the bioactive signaling molecule sphingosine 1-phosphate. The encoded protein is induced during inflammatory responses and has been shown to be downregulated by the microRNA-31 tumor suppressor. Alternative splice variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2016]

Product images:



Circular map for RC217993



Western blot validation of overexpression lysate (Cat# [LY407554]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217993 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).