

Product datasheet for **RC207399**

FSIP1 (NM_152597) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FSIP1 (NM_152597) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FSIP1
Synonyms:	HSD10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC207399 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATATTATAAAGGGAACCTAGATGGAATTTCAAACCAGCTTCAAATTCAGAATACGCCCTGGGA
 GCAGAAGTTCAAATGCTTCTTTGGAGGTGCTCTCAACAGAACAGGATCCTTCAAGGTCGATACTGCAAG
 CAACTTGAAGCTCTGGTAAAGAGGACCACTCCGAAAGCAGTAATACAGAGAACAGAAGAACTAGTAATGAT
 GATAAGCAGGAAAGCTGCTCTGAGAAAAATAAATTGGCTGAAGAGGGATCAGATGAAGATCTGGATTGG
 TTCAACATCAGATAATCTCTGAGTGTTCAGATGAACCCAAATTAAGAATTAGATTCTCAACTTCAAGA
 TGCTATTCAGAAGATGAAAACTTGATAAAATATTGGCAAAGAAACAACGCAGAGAAAAAGAAATTAAG
 AAGCAAGGTCTAGAAATGAGAATAAAGCTGTGGGAAGAAATTAAGTCTGCAAAATATAGTGAAGCTTGGC
 AAAGTAAAGAGGAGATGAAAAACAAAAAATTTTATCTTTGACTGCTGTTTCTGAAGAACTGTTGG
 TCCTTCTCATGAGGAGGAAGACACCTTTTCTCAGTGTTCATACTCAAATCCCTCCAGAAGAATATGAA
 ATGCAGATGCAGAACTCAATAAAGATTTACCTGTGATGTGGAAGAAATGAGTCATTGATCAAATCAG
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 AAACATTGAGTTGGCCAAGGAATCAAGAAACCCAGTGGTTATGGTTGACAGAGAGAAGAAAGGCTGGTT
 GAGCTTTTGAAGGACTTGGATGAGAAAGATTCGGGCTCTCCAGTTCTGAGGGTATCAGTCTGGCTGGG
 TGGTCCAGTAAAAGGATATGAAGTGCAGTCAACCCAGCATCAGCAGCTTGTGAAATGATATAAACT
 CCAAGAACTCTCTGCAGCCTCCCTACAATTTCCAGTTTTCTCCAAGACTTGAAATCGGAATAATCAG
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 AGCAACCGCATCTGCATAATCGGCTGAGAGAGATTGATGAAAGCTGAAATGATGAAGGAAATGTGTT
 AGAGTCCACATCAGTCTCTCTGAAGAACAGTTAAAGTGTCTTCTGGATGAATGCATACTTAAACAAAA
 TCCATCATTAACTTTCTCAGAAAGAAAAAGGAAGACATTGAGGACGTAACACCTGTGTTCCCCCAGC
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 TGCAGATATGCTGAGAGTGAAGAATGTGAAGCTTCTAAAGGCTACTATCTCACTAAAGCCTTGACTGGA
 CATAATATGTCAGAAGCTCTGTCACTGAAGCAGAGAATATGAAATGCCTTCAATTTTCCAAGGACGTTA
 TTATTAGTACACAAAAGACTATTTATGTGGAAGACTCTTGGCATTGGGAGACTGAAAAGGCCCTCCTT
 CTTAGATGATCCACTGTATGGTATCAGTGTGAGCCTTTCATCAGAAGACCAACATCTGAACTCAGTTCT
 CCAGAGAATAACAATAGCAGATGAGCAGGAGACTAAAGATGCAGCAGAAGAAATGTAAGAAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207399 protein sequence
 Red=Cloning site Green=Tags(s)

MDIIKGNLDGISKPASNSRIRPGSRSSNASLEVLSTEPGSFKVDTASNLNSGKEDHSESSNTENRRTSND
 DKQESCSEKIKLAEESDEDLDLVQHIISECSDEPKLKELDSQLQDAIQMKKLDKILAKKQRREKEIK
 KQGLEMRIKLWEEKSAKYSEAWQSKEEMENTKKFLSLTAVSEETVGPSHEEEDTFSSVFHTQIPPEEYE
 MQMQKLNKDFTCOVERNESLIKSGKKPFSNTEKIELRGKHNDQFIKRNIELAKESRNPVVMVDREKKRLV
 ELLKDLDEKDSGLSSSEGDQSGWVVPVKGYELAVTQHQLAEIDIKLQELSAASPTISSFSRLENRRNQ
 KPDHGDGERNMEVTPGEKILRNTKEQRDLHNRLREIDEKLKMMKENVLESTSRLEEQKLCLLDECILKQK
 SIIKLSSERKKEDIEDVTPVFPQLSRSIISKLLNESETKVQKTEVEDADMLESEECEASKGYLTKALTG
 HNMSEALVTEAENMKCLQFSKDVIIISDTKDYFMSKTLGIGRLKRPSFLDDPLYGISVLSSESDQHLKLSS
 PENTIADAEQETKDAAEECKEP

TRTRPLE**QKLISEEDLA**ANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6341_c05.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_152597

ORF Size: 1743 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_152597.3](#), [NP_689810.2](#)

RefSeq Size: 2813 bp

RefSeq ORF: 1746 bp

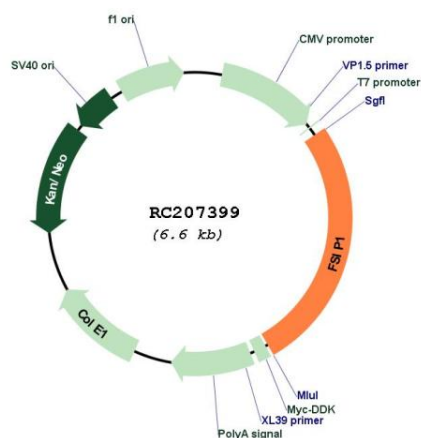
Locus ID: 161835

UniProt ID: Q8NA03

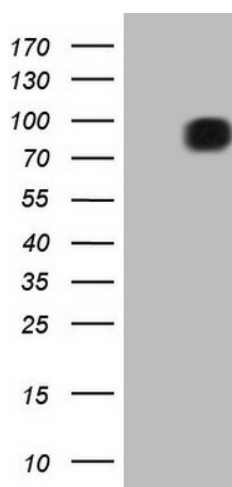
Cytogenetics: 15q14

MW: 66.2 kDa

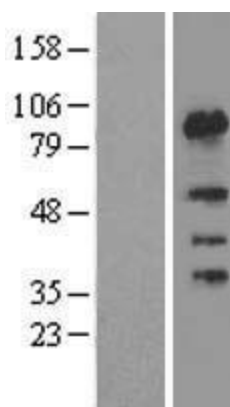
Product images:



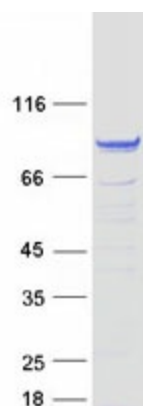
Circular map for RC207399



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY FSIP1 (Cat# RC207399, 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-FSIP1 (Cat# [TA806085])(1:2000). Positive lysates [LY407403] (100ug) and [LC407403] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY407403]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207399 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FSIP1 protein (Cat# [TP307399]). The protein was produced from HEK293T cells transfected with FSIP1 cDNA clone (Cat# RC207399) using MegaTran 2.0 (Cat# [TT210002]).