

Product datasheet for **RG207526**

SSX2IP (NM_014021) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSX2IP (NM_014021) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SSX2IP
Synonyms:	ADIP; hMsd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207526 representing NM_014021
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGATTGGATGACTGTTACAGATCCAGTCTGTCTTCAGAAAGCAAACACTATCTCTCAATATACCT
 CAGAAACAAGAGTGTCTCCATCAAGTTTATACTCACAGCAAGTGCTATGTTCTTCAATACCTTTATCGAA
 AAATGTGCACAGTTTTTTCAGTGCCTTCTGCACAGAAGATAATATTGAACAGAGTATCTCATATCTTGAT
 CAGGAATTGACTACTTTTTGGTTTTCTTCATTATATGAAGAATCCAAAGGTAAAGAGACAAAGAGAGAGT
 TAAATATAGTAGCTGACTAAATTTGATGAATGAGCTGCTTGTGCTTCAGCGGAAGAACCTTCTAGCTCA
 GGAAAAATGTGGAGACACAGAATTTGAAGCTGGGAAGTGATATGGACCATCTACAGAGCTGCTACTCAAAA
 CTTAAGGAACAACCTGGAAACCTCCAGGAGGAAATGATTGGGCTTCAGGAAAGAGACAGACAGTTACAAT
 GTAAGAACAGGAATTTGCATCAGCTACTAAGAATGAGAAAGATGAGGTGCAAAAATTACAAAATATCAT
 TGCAAGTCGAGCTACTCAGTATAATCATGATATGAAGAGAAAAGAGCGTGAATATAATAAAGTGAAGGAA
 CGTCTACATCAACTTGTTATGAACAAGAAAAGATAAGAAAATAGCTATGGACATTTTGAATATGTGCGGA
 GAGCTGATGGA AAAAGAGGCTCCTGGAGGACTGGTAAAACCTGAAGCCAGGAATGAAGATGAATGTATAA
 AATTCTCTTGAATGATTATGAATATCGTCAGAAACAAATCCTAATGGA AAAATGCAGAACCTTAAAGAAGTT
 CTTCAACAAATGAAAAAGGAAATGATTTCTCTTCTTCTCCCAAAAAGAAGAAACCTAGAGAAAAGAGTAG
 ATGATAGTACAGGAACCTGTTATTTCCGATGTTGAAGAAGATGCCGGGGAACCTAAGCAGAGAGAGTATGTG
 GGACCTTTCCTGTGAAACTGTGAGAGAGCAGCTTACAACAGCATCAGAAAACAGTGGAGAATTTTGAAA
 AGTCATGTAGAAAAGCTTGATAACCAAGTTTCAAAGGTACACCTGGAAGGTTTTAATGATGAAGATGTAA
 TCTCACGACAAGACCATGAACAAGAAAACCTGAAAACCTCGAGTTAGAAAATTCAGCAGTGTAAAGAAATGAT
 TAAAACCTCAGCAACAGCTTTTACAGCAGCAGCTCGCTACTGCATATGATGATGATACCACCTTCACTATTA
 CGAGACTGTTATTTGTTGGAAGAAAAGGAACGTCTCAAAGAAGAATGGTCCCTTTTTAAAGAGCAGAAAA
 AGAATTTTGAGAGGGAGAGACGAAGCTTACAGAAGCCGCTATTCGCCTGGGATTGGAGAGAAAAGGCATT
 TGAAGAAGAAAGAGCCAGTTGGTTAAAGCAGCAGTTTCTAAATATGACTACCTTTGACCACCAGAACCTCA
 GAAAATGTGAAACTTTTCAGTGCCTTCTCAGGAAGTTCTGATTGGGACAATCTTATAGTGCCTCGAGGC
 AGCCGCAAAAAGAGCCTCACAGTGTGTCTAATGGGTCTCCAGTTGCATGTCTAACTTACTAAATCTCT
 TCCTGCTTCACTTCCACTTCACTTTTCCAGACTTTTCCAGACACGTTCTGCATATCTGAACATAGTTCAATCAAT
 GTACTGAATATAACTGCTGAAGAAATTAACCAAAATCAGGTTGGAGGAGAATGTACAAATCAAAAATGGA
 GTGTGGCGTCAAGACCTGGATCACAGGAAGGTTGCTATAGTGGATGCTCCTTGAGCTACACAAATCTCA
 TGTAGAAAAGATGACTTACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207526 representing NM_014021
 Red=Cloning site Green=Tags(s)

MGDWMVTDPGLSSESKTISQYTSETKMSPSSLYSQVLCSSIPLSKNVHFFSAFCTEDNIEQISISYLD
 QELTTFGFPSLYEESKGGKRELNIVAVLNCMNELLVLQRKNLLAQENVETQNLKLGSDMDHLQSCYSK
 LKEQLETSRREMIGLQERDRQLQCKNRNLHQLLKNKDEVQKLQNI IASRATQYNHDMKRKEREYNKLE
 RLHQLVMNKKDKKIAMDILNYVGRADGKRGSWRTGKTEARNEDEMYKILLNDYEYRQKQILMENAELKKV
 LQQMKKEMISLLSPQKKKPRERVDSTGTVISDVEEDAGELSRESMWDLSCEVREQLTNSIRKQWRILK
 SHVEKLDNQVSKVHLEGFNDEDVISRQDHEQETEKLELEIQQCKEMIKTQQQLLQQQLATAYDDDTTSL
 RDCYLLLEKERLKEEWSLFKEQKKNFERRRSFTAAIRLGLERKAFEEERASWLKQQFLNMTTFDHQNS
 ENVKLFSAFSGSSDWDNLIVHSRQPQKKPHSVSNGSPVCM SKLTKSLPASPSTSDFCQTRSCISEHSSIN
 VLNITAEIEIKPNQVGGECTNQKWSVASRPGSQEGCYSGLSYTNSHVEKDDL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_014021

ORF Size: 1842 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_014021.2](#), [NP_054740.2](#)

RefSeq Size: 5658 bp

RefSeq ORF: 1845 bp

Locus ID: 117178

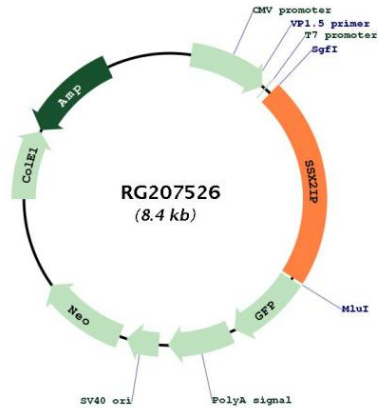
UniProt ID: [Q9Y2D8](#)

Cytogenetics: 1p22.3

Protein Pathways: Adherens junction

Gene Summary: This gene encodes a protein that binds the cancer-testis antigen Synovial Sarcoma X breakpoint 2 protein. The encoded protein may regulate the activity of Synovial Sarcoma X breakpoint 2 protein in malignant cells. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 3. [provided by RefSeq, Oct 2009]

Product images:



Circular map for RG207526