

## Product datasheet for **RG230351**

### SSX2IP (NM\_001166417) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SSX2IP (NM_001166417) 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:**

>RG230351 representing NM\_001166417  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGAGATTGGATGACTGTTACAGATCCAGTCTGTCTTCAGAAAGCAAACACTATCTCTCAATATACCT  
 CAGAAACAAGATGTCTCCATCAAGTTTATACTCACAGCAAGTGCTATGTTCTTCAATACCTTTATCGAA  
 AAATGTGCACAGTTTTTTCAGTGCCTTCTGCACAGAAGATAATATTGAACAGAGTATCTCATATCTTGAT  
 CAGGAATTGACTACTTTTTGGTTTTCTTCATTATATGAAGAATCCAAAGGTAAAGAGACAAAGAGAGAGT  
 TAAATATAGTAGCTGACTAAATTTGATGAATGAGCTGCTTGCTTCAGCGGAAGAACCTTCTAGCTCA  
 GGAAAAATGTGGAGACACAGAATTTGAAGCTGGGAAGTGATATGGACCATCTACAGAGCTGCTACTCAAAA  
 CTTAAGGAACAACCTGGAAACCTCCAGGAGGGAATGATTGGGCTTCAGGAAAGAGACAGACAGTTACAAT  
 GTAAGAACAGGAATTTGCATCAGCTACTAAGAATGAGAAAGATGAGGTGCAAAAATTACAAAATATCAT  
 TGCAAGTCGAGCTACTCAGTATAATCATGATATGAAGAGAAAAGAGCGTGAATATAATAAAGTGAAGGAA  
 CGTCTACATCAACTTGTTATGAACAAGAAAGATAAGAAAATAGCTATGGACATTTTGAATATGTGCGGGA  
 GAGCTGATGGA AAAAGAGGCTCCTGGAGGACTGGTAAAAGTGAAGCCAGGAATGAAGATGAATGTATAA  
 AATTCTCTTGAATGATTATGAATATCGTCAGAAACAAATCCTAATGGAAAATGCAGAACCTAAGAAGGTT  
 CTTCAACAAATGAAAAAGGAAATGATTTCTCTTCTTTCTCCCAAAAAGAAGAAACCTAGAGAAAGAGTAG  
 ATGATAGTACAGGAACCTGTTATTTCCGATGTTGAAGAAGATGCCGGGGAACCTAAGCAGAGAGAGTATGTG  
 GGACCTTTCTGTGAACTGTGAGAGAGCAGCTTACAACAGCATCAGAAAACAGTGGAGAATTTTGAAA  
 AGTCATGTAGAAAAGCTTGATAACCAAGTTTCAAAGGTACACCTGGAAGGTTTTAATGATGAAGATGTAA  
 TCTCACGACAAGACCATGAACAAGAAACTGAAAAACTCGAGTTAGAAAATTCAGCAGTGTAAAGAAATGAT  
 TAAAACTCAGCAACAGCTTTTACAGCAGCAGCTCGCTACTGCATATGATGATGATACCACCTTCACTATTA  
 CGAGACTGTTATTTGTTGGAAGAAAAGGAACTCTCAAAGAAGAATGGTCCCTTTTTAAAGAGCAGAAAA  
 AGAATTTTGAGAGGGAGAGACGAAGCTTTACAGAAGCCGCTATTCGCCTGGGATTGGAGAGAAAAGGCATT  
 TGAAGAAGAAAGAGCCAGTTGGTTAAAGCAGCAGTTTCTAAATATGACTACCTTTGACCACCAGAACTCA  
 GAAAATGTGAACTTTTTCAGTGCCTTCTCAGGAAGTCTGATTGGGACAATCTTATAGTGCCTCGAGGC  
 AGCCGCAAAAAGAGCCTCACAGTGTGTCTAATGGGTCTCCAGTTGCATGTCTAACTTACTAAATCTCT  
 TCCTGCTTCACTTCCACTTCCAGCTTTTGCCAGACACGTTCTGCATATCTGAACATAGTTCAATCAAT  
 GTACTGAATATAACTGCTGAAGAAATTAACCAAATCAGGTTGGAGGAGAATGTACAAATCAAAAATGGA  
 GTGTGGCATCAAGACCTGGATCACAGGAAGGTTGCTATAGTGGATGCTCCTTGAGCTACACAAATCTCA  
 TGTAGAAAAGATGACTTACCT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG230351 representing NM\_001166417  
 Red=Cloning site Green=Tags(s)

MGDWMVTDPGLSSESKTISQYTSETKMSPSSLYSQQVLCSSIPLSKNVHFFSAFCTEDNIEQSI SYLD  
 QELTTFGFPSLYEESKGETKRELNIVAVLNCMNELLVLQRKNLLAQENVETQNLKLGSDMDHLQSCYSK  
 LKEQLETSRREMIGLQERDRQLQCKNRNLHQLLKNEKDEVQKLQNI IASRATQYNHDMKRKEREYNKLE  
 RLHQLVMNKKDKKIAMDILNYVGRADGKRGSWRTGKTEARNEDEMYKILLNDYEYRQKQILMENAELKKV  
 LQQMKKEMISLLSPQKKKPRERVDSTGTVISDVEEDAGELSRESMWDLSCEVREQLTNSIRKQWRILK  
 SHVEKLDNQVSKVHLEGFNDEDVISRQDHEQETEKLELEIQQCKEMIKTQQQLLQQQLATAYDDDTTSL  
 RDCYLLLEEKERLKEEWSLFKEQKKNFERRRSFTAAIRLGLERKAFAEERASWLKQQFLNMTTFDHQNS  
 ENVKLFSAFSGSSDWDNLIVHSRQPQKKPHSVSNGSPVCM SKLTKSLPASPSTSDFCQTRSCISEHSSIN  
 VLNITAEIEIKPNQVGGECTNQKWSVASRPGSQEGCYSGLSYTNSHVEKDDL P

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001166417.2</a>
<b>RefSeq Size:</b>	6025 bp
<b>RefSeq ORF:</b>	1845 bp
<b>Locus ID:</b>	117178
<b>UniProt ID:</b>	<a href="#">Q9Y2D8</a>
<b>Cytogenetics:</b>	1p22.3
<b>Protein Pathways:</b>	Adherens junction
<b>Gene Summary:</b>	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]