

Product datasheet for **RG230350**

SSX2IP (NM_001166293) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSX2IP (NM_001166293) 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:

>RG230350 representing NM_001166293
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGATTGGATGACTGTTACAGATCCAGTCTGTCTTCAGAAAGCAAACACTATCTCTCAATATACCT
 CAGAAACAAGATGTCTCCATCAAGTTTATACTCACAGCAAGTGCTATGTTCTTCAATACCTTTATCGAA
 AAATGTGCACAGTTTTTTCAGTGCCTTCTGCACAGAAGATAATATTGAACAGAGTATCTCATATCTTGAT
 CAGGAATTGACTACTTTTTGGTTTTCTTCATTATATGAAGAATCCAAAGGTAAAGAGACAAAGAGAGAGT
 TAAATATAGTAGCTGACTAAATTTGATGAATGAGCTGCTTGTGCTTCAGCGGAAGAACCTTCTAGCTCA
 GGAAAAATGTGGAGACACAGAATTTGAAGCTGGGAAGTGATATGGACCATCTACAGAGCTGCTACTCAAAA
 CTTAAGGAACAACCTGGAAACCTCCAGGAGGGAATGATTGGGCTTCAGGAAAGAGACAGACAGTTACAAT
 GTAAGAACAGGAATTTGCATCAGCTACTAAGAATGAGAAAGATGAGGTGCAAAAATTACAAAATATCAT
 TGCAAGTCGAGCTACTCAGTATAATCATGATATGAAGAGAAAAGAGCGTGAATATAATAAAGTGAAGGAA
 CGTCTACATCAACTTGTTATGAACAAGAAAAGATAAGAAAATAGCTATGGACATTTTGAATATGTGGGA
 GAGCTGATGGA AAAAGAGGCTCCTGGAGGACTGGTAAAAGTGAAGCCAGGAATGAAGATGAATGTATAA
 AATTCTCTTGAATGATTATGAATATCGTCAGAAACAAATCCTAATGGA AAAATGCAGAACCTAAGAAGGTT
 CTTCAACAAATGAAAAAGGAAATGATTTCTCTTCTTCTCCCAAAAAGAAGAAACCTAGAGAAAAGAGTAG
 ATGATAGTACAGGAACCTGTTATTTCCGATGTTGAAGAAGATGCCGGGAACTAAGCAGAGAGAGTATGTG
 GGACCTTTCCTGTGAACTGTGAGAGAGCAGCTTACAACAGCATCAGAAAACAGTGGAGAATTTTGAAA
 AGTCATGTAGAAAAGCTTGATAACCAAGTTTCAAAGGTACACCTGGAAGGTTTTAATGATGAAGATGTAA
 TCTCACGACAAGACCATGAACAAGAAAAGTGA AAAACTCGAGTTAGAAAATCAGCAGTGTAAAGAAATGAT
 TAAAACCTCAGCAACAGCTTTTACAGCAGCAGCTCGCTACTGCATATGATGATGATACCACCTTCACTATTA
 CGAGACTGTTATTTGTTGGAAGAAAAGGAACTCTCAAAGAAGAATGGTCCCTTTTTAAAGAGCAGAAAA
 AGAATTTTGAGAGGGAGAGACGAAGCTTACAGAAGCCGCTATTCGCCTGGGATTGGAGAGAAAAGGCATT
 TGAAGAAGAAAGAGCCAGTTGGTTAAAGCAGCAGTTTCTAAATATGACTACCTTTGACCACCAGAACTCA
 GAAAATGTGAACTTTTCAGTGCCTTCTCAGGAAGTTCTGATTGGGACAATCTTATAGTGCCTCGAGGC
 AGCCGCAAAAAGAGCCTCACAGTGTGTCTAATGGGTCTCCAGTTGCATGTCTAACTTACTAAATCTCT
 TCCTGCTTCACTTCCACTTCACTTTTCCAGACTTTTCCAGACACGTTCTGCATATCTGAACATAGTTCAATCAAT
 GTACTGAATATAACTGCTGAAGAAATTAACCAAAATCAGGTTGGAGGAGAATGTACAAATCAAAAATGGA
 GTGTGGCATCAAGACCTGGATCACAGGAAGGTTGCTATAGTGGATGCTCCTTGAGCTACACAAATCTCA
 TGTAGAAAAGATGACTTACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230350 representing NM_001166293
 Red=Cloning site Green=Tags(s)

MGDWMVTDPGLSSESKTISQYTSETKMSPSSLYSQVLCSSIPLSKNVHSFFSAFCTEDNIEQSI SYLD
 QELTTFGFPSLYEESKGETKRELNIVAVLNCMNELLVLQRKNLLAQENVETQNLKLGSDMDHLQSCYSK
 LKEQLETSRREMIGLQERDRQLQCKNRNLHQLLKNEKDEVQKLQNI IASRATQYNHDMKRKEREYNKLE
 RLHQLVMNKKDKKIAMDILNYVGRADGKRGSWRTGKTEARNEDEMYKILLNDYEYRQKQILMENAELKKV
 LQQMKKEMISLLSPQKKKPRERVDSTGTVISDVEEDAGELSRESMWDLSCETVREQLTNSIRKQWRILK
 SHVEKLDNQVSKVHLEGFNDEDVISRQDHEQETEKLELEIQQCKEMIKTQQQLLQQQLATAYDDDTTSL
 RDCYLLLEEKERLKEEWSLFKEQKKNFERRRSFTAAIRLGLERKAFFEEERASWLKQQFLNMTTFDHQNS
 ENVKLFSAFSGSSDWNLI VHSRQPQKKPHSVSNGSPVCM SKLTKSLPASPSTSDFCQTRSCISEHSSIN
 VLNITAEIEIKPNQVGGECTNQKWSVASRPGSQEGCYSGLSYTNSHVEKDDL P

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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_001166293.2
RefSeq Size:	5847 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]