

Product datasheet for **RG230315**

SSX2IP (NM_001166295) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSX2IP (NM_001166295) 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:

>RG230315 representing NM_001166295
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTCATCAAGTTTATACTCACAGCAAGTGTATGTTCTTCAATACCTTTATCGAAAAATGTGCACA
 GTTTTTTCAGTGCCTTCTGCACAGAAGATAATATTGAACAGAGTATCTCATATCTTGATCAGGAATTGAC
 TACTTTTGGTTTTCTTCATTATATGAAGAATCCAAAGGTAAGAGACAAAGAGAGAGTTAAATATAGTA
 GCTGTAATAAATGTATGAATGAGCTGCTTGTGCTTCAGCGGAAGAACCTTCTAGCTCAGAAAAATGTGG
 AGACACAGAATTTGAAGCTGGGAAGTATGGACCATCTACAGAGCTGCTACTCAAACCTTAAGGAACA
 ACTGAAACCTCCAGGAGGAAATGATTGGGCTTCAGGAAAGAGACAGACAGTTACAATGTAAGAACAGG
 AATTTGCATCAGCTACTAAAGAATGAGAAAGATGAGGTGCAAAAATTACAAAATATCATTGCAAGTCGAG
 CTACTCAGTATAATCATGATATGAAGAGAAAAGAGCGTGAATATAATAAACTGAAGGAACGCTACATCA
 ACTTGTTATGAACAAGAAAGATAAGAAAATAGCTATGGACATTTTGAATTATGTCGGGAGAGCTGATGGA
 AAAAGAGGCTCCTGGAGGACTGGTAAAACCTGAAGCCAGGAATGAAGATGAAATGTATAAAATTCTCTTGA
 ATGATTATGAATATCGTCAGAAACAAATCCTAATGGAAAATGCAGAACTTAAAGAAGTTCTTCAACAAAT
 GAAAAAGGAAATGATTTCTTCTTCTTCTCCCAAAAAGAAGAAACCTAGAGAAAGAGTAGATGATGTACA
 GGAAGCTGTTATTTCCGATGTTGAAGAAGATGCCGGGAACTAAGCAGAGAGAGTATGTGGGACCTTCTCT
 GTGAAACTGTGAGAGAGCAGCTTACAAACAGCATCAGAAAACAGTGGAGAATTTTGAAGTCATGTAGA
 AAAGCTTGATAACCAAGTTTCAAAGGTACACCTGGAAGTTTTAATGATGAAGATGTAATCTCACGACAA
 GACCATGAACAAGAACTGAAAACTCGAGTTAGAAATTCAGCAGTGTAAAGAAATGATTAACAACTCAGC
 AACAGCTTTTACAGCAGCAGCTCGTACTGCATATGATGATGATACCACCTTCACTATTACGAGACTGTTA
 TTTGTTGGAAGAAAAGGAACGTCTCAAAGAAGAATGGTCCCTTTTTAAAGAGCAGAAAAAGAATTTTGAG
 AGGGAGAGACGAAGCTTTACAGAAGCCGCTATTCGCTGGGATTGGAGAGAAAGGCATTTGAAGAAGAAA
 GAGCCAGTTGGTTAAAGCAGCAGTTTCTAAATATGACTACCTTTGACCACCAGAAGCTCAGAAAATGTGAA
 ACTTTTTCAGTGCCTTCTCAGGAAGTTCTGATTGGGACAATCTTATAGTGCCTCGAGGCAGCCGCAAAAAG
 AAGCCTCACAGTGTGTCTAATGGGTCTCCAGTTTGCATGTCTAACTTACTAAATCTCTTCTGCTTAC
 CTTCCACTTCAGACTTTTCCAGACACGTTCTGCATATCTGAACATAGTTCAATCAATGTACTGAATAT
 AACTGCTGAAGAAATTAACCAATCAGGTTGGAGGAGAATGTACAAATCAAAAATGGAGTGTGGCATCA
 AGACCTGGATCACAGGAAGTTGCTATAGTGGATGCTCCTTGAGCTACACAAATCTCATGTAGAAAAAG
 ATGACTTACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230315 representing NM_001166295
 Red=Cloning site Green=Tags(s)

MSPSSLYSQVLCSSIPLSKNVHSSFAFCTEDNIEQISISYLDQELTTFGFPSLYEESKGGKTKRELNIV
 AVLNCMNELLVLQRKNLLAQENVETQNLKLGSDMDHLQSCYSKLKEQLETSRREMIQLQERDRQLQCKNR
 NLHQLLKNEKDEVQKLQNI IASRATQYNHDMKRKEREYKLERLHQLVMNKKDKKIAMDILNYVGRADG
 KRGSWRTGKTEARNEDEMYKILLNDYEYRQKQILMENAELKKVLQMKKEMISLLSPQKKKPRERVDST
 GTVISDVEEDAGEL SRESMWDLSCEVREQLTNSIRKQWRILKSHVEKLDNQVSKVHLEGFNDEDVISRQ
 DHEQETEKLELEIQQCKEMIKTQQQLLQQQLATAYDDDTTSLLRDCYLLEEKERLKEEWSLFKEQKKNFE
 RERRSFTEAAIRLGLERKAFEEERASWLKQQLNMTTFDHQNSENVKLFSAFSGSSDWDNLIVHSRQPQK
 KPHSVSNVSPVCMKSLTKSLPASPSTDFCQTRSCI SEHSSINVLNITAEIIPKPNQVGGECTNQKWSVAS
 RPSGQEGCYSGCSSL SYTNHVEKDDL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-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_001166295.1 , NP_001159767.1
RefSeq Size:	5843 bp
RefSeq ORF:	1764 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]