

Product datasheet for **MC206445**

Ssx2ip (BC021749) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ssx2ip (BC021749) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ssx2ip
Synonyms:	Adip; AU014939; AU042321
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC021749
GACCGGGCGGGCTGGAGGCTGCGCGGAGCCGCTGCGTGCCGCGCGGGTGC GG GCGGGCTGCGGGA
GGCGTGAGCCGCTCCCGGAGCCGTGACGGAGATGCTCACGTAGGAGAGTGGCAGGAGCTGCATAAGCAT
CGCAGCACTGAGCCGCTCACGTAGGAGAGTGACAGGAGCTGTTGTAAGCGTCGCAGCACTGAGCCGCT
CCTCAGGTATCCTGGCTCTGGAACCTGCTATGGGAGATTGGATGACTGTGACAGATCCAGTTCTGTGTAC
AGAAAAAATACTCTCTCAATATACCTCAGAAAAAAGATGTCTCCGTCCAGTTTGTACTCCCAGCAA
GTTCTGTGCTCTTCAGTACCTTTATCCAAAAACGTGCATGGTGTTCGTTGCTCTCTGACAGGAGAGA
ACATTGAACAAAGTATTTCCATCTTGATCAGGAGCTGACCACCTTCGGGTTTCCTTCTGTATGAAGA
ATCCAAAAAGTAAAGAGGCAAAGAGAGAATTAATATAGTCGCTGTTCTGAACTGTATGAACGAGCTGCTC
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ATTCATGTGTGTGTAACACAGTCCATCAGTGTGCTGAATATAACTCCTGAAGAAAGTAAACCAAGTGA
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AGCGGATGCTCCTCGGCCTTCAAGAGCGCTCACGGGGACCGAGATGACTTACCTTAAATGTGCGGGCTGC
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GGATGCAAAGCTTTGGTTGTGTGTTAGTAAACAGAAGCCCTGGCTCTGTGACTGCAGGAATGCATGGCGT
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TGCTTGAGTATAGCATTTTCATGCCAATTAATAATGTTTTCAGTGGCATGGTGTTCAGAGGTTAGGACCA
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CTGAGTTCAGATAACTAGAACTACTAACGTTACATTTTTGAGATTTTTAAAGCATTGTATTTTTATTTAT
ATATGTGAATGTTATAATTTCTAAGAGGAATATTGATTATGGAGTAATGGGGAAAGACAAACGTATCTT
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CGTAGGCCAGGCTTCTCCTGGATGGGTTTTATCCAGCAGCTTTTAAAGTGCCTCACCTGCTTGTCTCT
ACGCTGCCGACACAAGCCCTCGCTTGTGAGGCAGGTAGTCCATCTGCCTTTCTCTTCTTCTTCTGCTG
TGTGACTGTTGCATTAATTCATCATGCTACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:

RsrII-NotI

ACCN:	BC021749
Insert Size:	1848 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC021749 , AAH21749
RefSeq Size:	3425 bp
RefSeq ORF:	1848 bp
Locus ID:	99167
Cytogenetics:	3 H2
Gene Summary:	Belongs to an adhesion system, which plays a role in the organization of homotypic, interneuronal and heterotypic cell-cell adherens junctions (AJs). May connect the nectin-afadin and E-cadherin-catenin system through alpha-actinin and may be involved in organization of the actin cytoskeleton at AJs through afadin and alpha-actinin (PubMed:12446711). Acts as a centrosome maturation factor, probably by maintaining the integrity of the pericentriolar material and proper microtubule nucleation at mitotic spindle poles. The function seems to implicate at least in part WRAP73; the SSX2IP:WRAP73 complex is proposed to act as regulator of spindle anchoring at the mitotic centrosome (By similarity). Involved in cell movement: localizes at the leading edge of moving cells in response to PDGF and is required for the formation of the leading edge and the promotion of cell movement, possibly via activation of Rac signaling (PubMed:22027834). Involved in ciliogenesis (By similarity). It is required for targeted recruitment of the BBSome, CEP290, RAB8, and SSTR3 to the cilia (By similarity).[UniProtKB/Swiss-Prot Function]