

Product datasheet for **MC228472**

Ssx2ip (NM_001253768) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ssx2ip (NM_001253768) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ssx2ip
Synonyms:	Adip; AU014939; AU042321
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228472 representing NM_001253768
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGATTGGATGACTGTGACAGATCCAGTTCTGTGTACAGAAAACAAAATCTCTCTCAATATACCT
 CAGAAACAAGATGTCTCCGTCCAGTTTGTACTCCAGCAAGTTCTGTGCTCTTCAGTACCTTTATCCAA
 AAACGTGCATGGTGTTCGTTCTTCTGCACAGGAGAGAACATTGAACAAAGTATTCCTATCTTGAT
 CAGGAGCTGACCACCTTCGGGTTTCTTCTTGTATGAAGAATCCAAAAGTAAAGAGGCAAGAGAGAAT
 TAAATATAGTCGCTGTTCTGAAGTGTATGAACGAGCTGCTCGTCTTCAGCGGAAGAACCTGCTGGCCCA
 GGAGAGCGTGGAGACACAGAAGTGAAGCTGGGCAGTGACATGGACCACCTGCAGAGCTGCTACGCCAAA
 CTTAAGGAGCAGTTGAAACGTCCAGGCGGGAGATGATCGGGCTCAAGAGAGAGACAGGCAGCTGCAGT
 GCAAGAACAGGAGTTGCATCAGCTCCTGAAGAATGAGAAAGATGAGGTACAAAAATTACAAAATATCAT
 AGCCAGCCGGGCTACTCAGTATAATCATGATGTGAAGAGGAAGGAGCGTGAATATAATAAGCTAAAGGAG
 CGCTGCATCAGCTCGTTATGAACAAGAAGGATAAAAACATAGCCATGGATGTTTTAAATATGTGGGTC
 GAGCTGATGGCAAACGAGGCTCATGGAGGACTGACAAAACAGAAGCCAGGAATGAAGATGAGATGTACAA
 AATTCTGTTGAATGATTATGAGTACCGCCAGAAGCAGATCCTGATGGAGAACCGGGAGCTGAAGAAGGTC
 CTCCAGCAGATGAAGAAGGAGATGATCTCTCTCTCTCCTCAGAAGAAGAAGCCAGGGAAAAGAGCAG
 AGGACGGCACAGGCACTGTTGCTATCTCCGATATAGAAGTACTCTGGGAACTGAGCAGAGACAGCGT
 GTGGGGCCTTTCTGTGACACTGTGAGAGAGCAGCTGACAAAACAGCATCAGGAAACAGTGGAGAATTTTG
 AAAAGTCATGTAGAAAACTCGATAACCAAGCTTCGAAGGTACTCAGAGGGCCTTAATGAGGAGGACG
 TCATCTCACGACAAGACCATGAGCAAGAGACTGAGAACTGGAGCTGGAGATTGAGCGGTGTAAGAGAT
 GATCAAGGCTCAGCAGCAGCTTTACAGCAGCTGGCCACCACGTGTGATGATGACACCACCTCACTGTTG
 CGAGACTGTTACTTGCTGGAAGAAAAGGAACGCCTTAAAGAAGAGTGGACCCTTTTTAAAGAGCAAAAAA
 AGAATTTTGAGAGAGAAAGGCGAAGCTTTACAGAAGCTGCCATTTCGATTGGGGTTGGAGAGAAAGCGTT
 TGAAGAAGAGCGAGCCAGCTGGGTAAAGCAGCAGTTTTTAAACATGACGAACTTTGACCACCAGAAGTCA
 GAAAATGTGAACTTTTCAGTGCCTTCTCAGGAAGTTCTGATCCAGACAATCTTATAGTCCACTCACGGC
 CACGGCAAAGAAGCTACACAGTGTGGCTAATGGGGTCCAGCTGCACATCAAAGTACTAAATCTCT
 TCCTGCCTCACCTTCTACTTCAGACTTTCCGACAGACATTATGTTGTCTGAACACAGTTCATCAGT
 GTGCTGAATATAACTCCTGAAGAAAGTAAACCAAGTGAAGTTGCAAGAGAAAGCAGGATCAGAAGTGA
 GCGTGCAGTCGAGGCCAGCTCGCGGGAGGGGTGCTACAGCGGATGCTCCTCGGCCCTTCAGGAGCGCTCA
 CGGGGACCGAGATGACTTACCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001253768
- Insert Size:** 1845 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001253768.1](#), [NP_001240697.1](#)

RefSeq Size: 3706 bp

RefSeq ORF: 1845 bp

Locus ID: 99167

UniProt ID: [Q8VC66](#)

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]