

## Product datasheet for **SC321413**

### MIIP (NM\_021933) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MIIP (NM_021933) Human Untagged Clone
Tag:	Tag Free
Symbol:	MIIP
Synonyms:	IIP45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_021933.2  
 ATGCTAGGGGATTCTGCCGGGTAGAAGAGCTGGGCCTGGAACCCAGCCCTGAGGACATCC  
 TGCGGCCAGGGCAAGTGACACCTGCTGAGAGAGGCCAGGATGGTGGAGGCTGAGGAA  
 CTGGCACAGCTGCGGCTGCTCAATCTGGAGCTCCTGAGGCAGCTGTGGTGGGGCAGGAT  
 GCTGTGGCGGGTCAGTGCCAGGGCAGCCTCGGAGTCAAGCCTGGAATCCAGCAGCAGC  
 TACAACCTCAGAGACTCCATCGACCCAGAGACGTCTCAACTTCCTTGAGCACCTCTGC  
 CCACGGGGCCGGTCTCCGTGTGGGGCCACCAGATGCCTGTCGAGGGGACCTCCGTGAT  
 GTGGCCAGATCGGGGGTGGCCTCTCTCCACCTGCCAATTGCCAGCACCAGGAGTCCCTG  
 GGCCGACCGAGACCCACTCAGCACCTCGCTGGGCACCTCAAGCCTGAGGGACCCAGAG  
 CCCTCAGGGAGGCTGGGTGATCCAGGACCCAGGAGGCACAGACCTCGAGGTCCATCCTG  
 GCTCAACAGAGCAAGCTGTCCAAGCCCAGGGTGACCTTCTCTGAGGAGTCTGCAGTTCCT  
 GAGAGGAGCTGGCGCCTCAGGCCATACCTGGGCTATGACTGGATTGCAGGGTCTCTGGAC  
 ACCAGCTCTTCCATCACCAGCCAGCCTGAGGCCTTCTTCTCCAAGCTGCAGGAGTTTCGG  
 GAAACCAACAAGGAGGAGTGTATCTGCAGCCATCCTGAACCCAGTTGCCAGGCCTGCGT  
 GAGAGCAGTGGCAGCGCGTGGAGGAAGACCATGAATGCGTGTACTGTTACCGTGTCAAC  
 CGGCGCTGTTCCCGGTGCTGTGGATCCCGGTACCCCTGCCGCTGTGCAGGACACCG  
 CGAGACCAGCAGGGCCCTGGGACCCTGGCGCAGCCAGCGCACGTGAGGGTGAATCCCG  
 CTGTGATCCTGGAGCCCCCGCACCCGGTACCACATCCACCGCGAAAGAGCTTTGACGCC  
 TCTGACACACTGGCCCTGCCCGGCACCTGCCTGCTGGGCTGGGACATTTTTCTCCGAAG  
 TCTGAGAAAAGCTCAGCCCCAGGAACCTGGACCTCTGGTCTGTCTCCGCTGAGGCC  
 CAGCACCAAGAAGCTGTCCGGCACCAGCAGCCCTTTTACCCGGCCTCACCAATGCAGATG  
 CTGCCCCGACCCGACCTGGTCAAGTCCCCAGGTCCCTCGGCCACAGTCCCACGGCAG  
 AAGCCCTGAGGACTGACTCCTGGGGGAGAACAGCATTCCCGCGCCTCCAGCCTCTCCCC  
 TCTGGCAGGCGCACCCAGGAGATGGAATCCCCTGCCCGCCAGCTCAGGCCCAGCTGTCC  
 TAGGTTGGGCAGGTGGGTGGACCAAGCTTGTCTGCTGCCTGAGTTCCAGAGAGGGAGGA  
 CCCTGGGGTGGAGGGTGAAGGATTCTGTGGAAGTTGTAATAAAGCTCAGTGCTCTGCA  
 AAAAAAAAAAAAAAAAAA



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_021933
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_021933.2</a></u> , <u><a href="#">NP_068752.2</a></u>
<b>RefSeq Size:</b>	1588 bp
<b>RefSeq ORF:</b>	1167 bp
<b>Locus ID:</b>	60672
<b>UniProt ID:</b>	<u><a href="#">Q5JXC2</a></u>
<b>Cytogenetics:</b>	1p36.22
<b>Gene Summary:</b>	This gene encodes a protein that interacts with the oncogene protein insulin-like growth factor binding protein 2 and may function as an inhibitor of cell migration and invasion. This protein also interacts with the cell division protein 20 and may be involved in regulating mitotic progression. This protein may function as a tumor suppressor by inhibiting the growth or certain cancers. [provided by RefSeq, Sep 2011]