

## Product datasheet for SC126781

### SEC23IP (NM\_007190) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEC23IP (NM_007190) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC23IP
Synonyms:	iPLA1beta; MSTP053; P125; P125A
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126781 sequence for NM_007190 edited (data generated by NextGen Sequencing)

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ATGGCCGAGAGAAAAACCTAACGGTGGCAGCGGCGCGCCTCCACTTCTCATCGGGCACT
AACTTACTTTTTCTCCTCCTCGGCCACGGAGTTCAGCTTCAATGTGCCCTTCATCCCAGTC
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CATTGGCATAGTTCTTTGGGTGGGGACGCCACAGGTGTGGACAGGAATATTAAGAAAATC  
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 CTGTTACTACTTAAAGAAATTTATCGAACAAATGAACATTAGTCCAGAACGCCCCAGCAT  
 TGA

Clone variation with respect to NM\_007190.3

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_007190 unedited  
 TTTGTAATACGAACCTACTATAGGGCGCGCGATTTCGGCACGAGGCCGGAGACGTGTAT  
 CGGACGGTGGGCCGAGCCATGGCCGAGAGAAAACCTAACGGTGGCAGCGCGGCCCTC  
 CACTTCTCATCGGGCACTAACTTACTTTTCTCCTCCTCGGCCACGGAGTTCAGTTCAA  
 TGTGCCCTTCATCCAGTCACCCAGGCCTCCGCTTCTCCGGCCTCCCTGCTTTACCGGG  
 AGAGGATCCACAGATGTTGGTGAGGAGGACAGCTTCTTGGTCAGACTTCTATTCACAC  
 ATCTGCCCCACAGACATTTAGTTACTTCTCTCAGGTATCAAGCAGCAGTATCCTTTTGG  
 GAATATTGGACAGTCACCATTAACAACCTGCAGCAACCTCAGTTGGACAATCAGGATCCC  
 CAAGCCCCTGACTGCTCTCCCTTTTACAACCTGGATCCCAAGATGTCTCGAATGCATTTTC  
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 TTNCTCAGTGCAGTCACCGGACAGCAGCAGGTACCTGGCAGACCTGGGCTNCCTCTGTT  
 CAGTGCCATCTCCTTTCTACTTAAACAATGAGCCTGTTTCAGCCCACT

<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_007190 unedited</p> <pre> GAACCGCGGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCTGC TTAAAAAGCATTAAATGTTACTGCTTTATTACACTAATTAGAATACATACACAAAAAAT GTGTATCATATATCACTTTCAAAAATTTCCATGTTCCATGAGAATATGTAAACAATGCA AAATGTTTCCACTACGTAACAAAAGAAAATCAGCATTCCCACATAGTATTAGGAAAATAT TTGGATAATCTGAATTTATAGTAAAACAAAGTGATCTGAATTTGTAGTAAAACAAAGTGA AATATTACAAAGCAGTCTTGTCATGAAGTAGCCTTATATAACTCAAAGCAACACATTTTC ATACTTTCAAACACTTTGGTATAAGTGAAATTAATCGAAAACCAAAGAAGAAAAA ACCTCTACTTTGGTTTTACATTATTGGAACCTCAGCAACAAGGCAAGTGCACAGCTACC TTGGATGACAAAATGGAAAACCTCTCATCTGCTTGCTTCTCCTCCTGGAAAAGGACGTGC TAAGAGAGCGCTTCCCATGACTTCTTGAAAAAGGGGCATCTCACTTTTTCCACAATCA GGCTCTCAGCAATCTTTGAGGGGATTTTATAAACCCCCAGATTTCTTGGGGATACGAC GGACCTTGATTATTTCTTTAAACAAAATTAATGACCCTTGCTTAAGGGAGGTTGAGA AGTCCACTTCTCCTTTTCAAGAGAGACCATAAACCTCTTTAAACTCTATTTACTATAGG TTTCTCACCCGGTTTCTACCTTGGANTAGAAAGCAACCTACCTGCGATTACATAAAAACA AAAATCCCAGTTGTATATAACCTCATTACCAATATCTCTTTATAAACCCAGACATAAC ACCGGTTTCCATTGCTACCACATATTTCTCTTCTTGCCTTN </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_007190
<b>Insert Size:</b>	4570 bp
<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>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_007190.2</a></u> , <u><a href="#">NP_009121.1</a></u>
<b>RefSeq Size:</b>	4243 bp
<b>RefSeq ORF:</b>	3003 bp
<b>Locus ID:</b>	11196
<b>UniProt ID:</b>	<u><a href="#">Q9Y6Y8</a></u>
<b>Cytogenetics:</b>	10q26.11-q26.12
<b>Domains:</b>	SAM, DDHD

**Gene Summary:**

This gene encodes a member of the phosphatidic acid preferring-phospholipase A1 family. The encoded protein is localized to endoplasmic reticulum exit sites and plays a critical role in ER-Golgi transport as part of the multimeric coat protein II complex. An orthologous gene in frogs is required for normal neural crest cell development, suggesting that this gene may play a role in Waardenburg syndrome neural crest defects. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Feb 2011]

Transcript Variant: This variant (1) represents the longer transcript and encodes a functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.