

Product datasheet for SC114325

IPO11 (NM_016338) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IPO11 (NM_016338) Human Untagged Clone
Tag:	Tag Free
Symbol:	IPO11
Synonyms:	RanBP11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114325 sequence for NM_016338 edited (data generated by NextGen Sequencing)

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ATGGATCTCAATAGTGCCAGCACTGTTGTTCTTCAGGTGTTAACACAGGCCACCAGTCAG
GATACTGCTGTGTTAAAACCAGCTGAGGAGCAGTTGAAGCAGTGGGAGACACAGCCAGGT
TTCTATTCAGTGTGCTGAATATTTTCACCAACCACACTTTGGATATAAATGTAAGGTGG
CTTGCTGTACTGTATTTAAACATGGAATTGATCGCTACTGGAGACGTGTAGCACCTCAT
GCTCTCTCAGAGGAGGAGAAAATACTCTGCGTGCAGGGCTCATCACCAACTTCAATGAA
CCAATAAACAGATTGCAACTCAGATTGCAGTGCCTATTGCAAAAAGTTGCTAGATTGGAT
TGTCACAGACAGTGGCCTGAACTAATCCCACTTTATAGAGTCTGTTAAAGTCCAGGAT
GATCTTCGACAGCACAGAGCATTACTTACCTTCTATCATGTTACCAAGACACTGGCATCT
AAACGACTTGCTGCTGATAGAAAATAATTTATGATTTAGCTTCTGGAATTTATAATTTT
GCCTGCTCTCTGTGGAATCACCACACAGACACATTCCTGCAAGAAGTTTCTTCTGGCAAT
GAAGCTGCAATTTTGAGTTCAGTGAACGAACACTGCTATCATTGAAAGTCTGCGTAAG
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GTTTGTAGAGATAGACTGGAAAAGACCATCATTCTTTTACTAAAGTGCCTTTGGACTTC
TTGGATCAGCATCCTTTTTCACTTACTCCTCTAATTCAGAGATCACTGGAATTTTCTGTA
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CTGACAATGTGGGAAGAAGACCCAGAAGGCTTTACAGTGGAAAGAAACAGGAGGAGATTCT
TGGAAATATAGTTTGGAGCCATGCACTGAAGTATTATTTATAGATATATCCATGAATAT
AATCAGACTCTTACTCCTGTACTTCTAGAAATGATGCAAACACTCAAGGACCCACAAAT
GTGGAAGATATGAATGCACTGTTAATCAAAGATGCTGTGTATAATGCTGTTGGATTAGCT
GCTTATGAGCTCTTTGACAGTGTGATTTTGTATCAGTGGTTTAAAACCAGCTTCTTCCA
GAATTACAAGTCATTACAATAGGTATAAGCCATTGCGACGCAGGGTGATTTGGCTCATC

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GGTCAGTGGATTTCTGTGAAATTCAGTCTGACTTAAGACCCATGCTTTATGAAGCAATC
 TGTAACCTTGCTTCAAGATCAAGATTTAGTGGTCCGATTGAAACAGCTACAACTTTGAAG
 TTAAGTGTGATGATTTTGAATTTAGAACAGATCAGTTTCTACCGTATTTGGAAACCATG
 TTCACACTACTTTTTCAGTTACTGCAGCAAGTTACAGAATGTGACACAAAGATGCATGTT
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 TGTTTGGTACAATATTTGCCCTCCTTTGGAAGCAGAGTGAAGAACAATATGTTGAGA
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 CTGTACCCTTTCTGCTCCAGTTATTCAACTGAGTACAGATGTTTCACAGCCTCCACAT
 GTTTATCTTCTGGAAGATGGTTTAGAATTATGGTTAGTAACTTTGGAAAAAGTCCATGT
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 ATACTAGTCCACAAATGTTTCAACCGATTTTACCCTATGTTTTCAAGGGTATTATAGAA
 GGGGAGAGGTATCCTGTAGTGTATGTCACAGTATCTTGGAGTTATGGGTCGAGTTCTACTA
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 ATGGACCAGCTTTTGGGAAATATGATTGAAATGTGGGTTGATCGAATGGACAACATTACC
 CAGCCTGAAAGAAGAAAACCTTTCAGCTTTGGCTTTGCTCTCTCTCTGCCATCTGATAAT
 AGTGTTATCCAAGATAAATCTGTGGGATTATAAACATTTTCAAGTGAAGGCTGCATGAT
 GTCATGACGGAAGATCCTGAAACAGGAACCTTATAAAGACTGTATGTTGATGTCTCATCTT
 GAGGAACCAAAAGTAACAGAAGTGAAGAACCACCCACAGAACAAGATAAGAGGAAAAAG
 ATGCTGGCCCTGAAGGACCCTGTTTACATACAGTGTCACTGCAGCAGTTCATCTACGAGAAG
 CTCAAGGCACAGCAGGAGATGCTAGGAGAACAAGTTTTCCAGTCCCTCATGGAAACAGTG
 GATACGGAGATTGTCACCCAGCTACAGGAGTTTTTGAAGGATTCTAA

Clone variation with respect to NM_016338.4
 783 g=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016338 unedited
 CTGGATTATGTAACACGACTCACTATAGGGCGGCCGGAATTCGGCAGGAGGCTAGAAGC
 CGTTTTCGGCATCAGTAGGCGGCCGCGTGGGGTCTGGCAGCGTGGGAGAGGGACCAACC
 GACGCCACTTCGTGTTGGGAAGTNGAGCGGGAGGGCCGGCAATTCCTGACCAACCAA
 ACGGTTTCCATGGATCTCAATAGTGCCAGCACTGTTGTTCTTCAGGTGTTAACACAGGCC
 ACCAGTCAGGATACTGCTGTGTTAAAACCAGCTGAGGAGCAGTTGAAGCAGTGGGAGACA
 CAGCCAGGTTTCTATTCAAGTGTGCTGAATATTTTACCAACCACACTTTGGATATAAAT
 GTAAGGTGGCTTGTACTGTANTTTAAACATGGAATTGATCGCTACTGGAGACGTGTA
 GCACCTCATGCTCTCAGAGGAGGAGAAAACACTCTGCGTGCAGGGCTCATCACAAC
 TTCAATGAACCAATAAACAGATTGCAACTCAGATTGCAGTGTCTATTGCANAAGTTGCT
 AGATTGGATTGTCCAGACAGTGGCCTGAACTAATTCCTACTCTATAGAGTCTGTTAAG
 TCCANGATGATCTTCGACAGCACAGAGCATTACTTACCTTCTATCATGTTACCAAGACAC
 TGGCATCTAAACGACTTGTGCTGATAGAANNACTATTTATGAATTAGCTTCTGGAAAT
 ATATTTGCCTGCTCTGTGAATCACACACAGACACATCTGCAAGAAGTTCTTCTGGCA
 ATGAGTGCATTTTGTGACTAGACGAACCTGCTATCATGAAGTGTGCGTAGTTAACTG
 TATGGATTGTGGACCTATAGAATATGAGTGTGGGTTTTAATGAATATTTGACGTCTAA
 ACAGTTCTGATGCATAAAAAATAGTACAGATATGTTGAGAAAA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016338 unedited NCCTTTAGCTCTGGACCGCGGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGA GGTATCTTTGGAAAATTTAATTTGGACCATATTTCTTCTCTTTCTGAAAACATCAAAT ATCCCCATACAGTTTGGGTTCCACAGCTTACAAAGGGCAGTGGGTTTCCCGCAGTTACA TACTGTACCCAACTTTCTATAGAAAGATAAAACATTTTCCAACCTTGCTTTTGAGTATTT CCTAAAAAATGCTTTAAAGTTTCCTTACAATAAATGGCAAGTAAAACAAAGTAAGGCTTT TTTTTTCTCCTTTTCCCCTTTTATGTACTGCATGTTTCGAGGAATAAGGAAGGAAGACTA GTTCCATCAGAGTACTAGTAATCCTAGTACCCTGGGGATTACTGCTGGATCCTCCAGGT ATACCCCTATTATTGAGGCCCTGATGCACCCCTGCACTGAGGAACCTGAGAAGGGTAAGT ACTAAACAGTCTGTCATAGCCACGTGGGACTGTCACAGCACAGGTGGGACTGCGAGTCGC CCAGTTCTTCTCGGTGCTCACAGGAGTAACAAAGGAACTAGGACTAAACCCATAACCAGA GGTCTCCCCACGTGGTACTACAGTACCACACGTTCACTTTTGTGGCCCTTACAAATGCC ATTTATAGACCCAATGGATTTTACCTGGAAAAAAAACGAAAAAATGCCTTTACTAATTC TCTGTATCAAATTATTACAACGAACACTCAAGCCTTTGCCCTGATACACACTCTTCTA TGTTAGAAGAAAATACCTCCCTTGGCAGATAAGCCTTCGCAATCGGGAATTGGCCCTAT TTATTAATTTTGGTTTAAACCCACCTTTTCTTTATACACCCATTGGACCGCTTTCATT TCAAACCGGA
Restriction Sites:	NotI-NotI
ACCN:	NM_016338
Insert Size:	3870 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:	NM_016338.3 , NP_057422.3
RefSeq Size:	4399 bp
RefSeq ORF:	2928 bp
Locus ID:	51194
UniProt ID:	Q9UI26
Cytogenetics:	5q12.1
Domains:	IBN_NT

Gene Summary:

Importins, including IPO11, are a members of the karyopherin/importin-beta family of transport receptors (see KPNB1; 602738) that mediate nucleocytoplasmic transport of protein and RNA cargoes (Plafker and Macara, 2000 [PubMed 11032817]).[supplied by OMIM, Sep 2008]

Transcript Variant: This variant (2) differs in the 5' UTR and uses a downstream translation initiation codon, compared to variant 1. The resulting isoform (2) is shorter at the N-terminus, compared to isoform 1.