

Product datasheet for **MC222889**

Ipo11 (NM_029665) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ipo11 (NM_029665) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ipo11
Synonyms:	1700081H05Rik; 2510001A17Rik; AI314624; AW555235; E330021B14Rik; Ranbp11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222889 representing NM_029665
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCTCAATAGTGCCAGCTCTGTGGTTCTTCAGGTCCTAACACAGGCCACCAGTCAGGATACTGCTG
 TGTTGAAGCCAGCCGAGGAGCAGCTGAAACAGTGGGAGACACAGCCAGGTTTCTATTCAGTGTGCTGAA
 TATTTTTACGAATCACACCCTTGATATAAATGTACGGTGGCTTGCTGTGCTGATTTTTAAACATGGGATT
 GATCGTTACTGGAGGCGTGTGCGACCGCATGCTCTCAGAAGAGGAAAAGTCAACATTGCGTGCAGGGC
 TCATCACCAACTTTAATGAACCAATAAACCAGATTGCGACCCAGATCGCAGTGTGATTGCCAAGGTTGC
 TCGGTTAGACTGTCTAGGCAGTGGCCGGAGCTCATTCCACTCTGTAGAGTCTGTCAAAGTCCAGGAT
 GACCTTCGCCAGCACAGAGCTCTGCTGACCTTCTACCATGTCACCAAGACGCTGGCATCCAAACGCTGG
 CCGCTGACAGAAAGCTATTCTATGATTTAGCTTCTGGAATTTATAATTTTGCCTGTTCTCTGTGGAACCA
 TCATACAGACACATTTCTGCAGCAGTTTCTTCTGGCAATGAAGCTGCGGTTCTGAGTTCCTAGAGCGA
 ACACTGCTATCGTTAAAAGTGTGCGGAAGTAACTGTGAATGGATTTGTGGAACCTCATAAGAATATGG
 AGGTGATGGGTTTTTACATGGAATATTTGAACGTCTAAAACAGTTTCTGGAGTGCAGCAGAAGTATAGG
 TACAGATAATGTGTGTCGAGATAGACTGGAAAAGACCATCATTCTTTTTACTAAAGTGTCTTGGACTTC
 TTGGATCAACACCCCATTTCACTTACTCCTCTAATTCAGAGGTCAGTGGAAATTTCTGTAAGCTATGTTT
 TTAAGTGAAGTGGTGAAGGCGTTACATTTGAGCGATTCTTGTCCAGTGCATGAATCTTATTAAGATGAT
 TGTCAAAAATTATGCTTATAAGCCATCCAAAAATTTTGAAGATAGCAGCCCTGAAACACTGAAGCCCAT
 AAGATTAAGATGGCATTCTTACATATCCACGTTGACAGAGATATGTCGACGATTAGTCTCTCATTATT
 TTTTATTAACGGAAGAAGAAGTACCATGTGGGAGGAAGATCCAGAAGGCTTTACAGTGGAAACAGG
 AGGAGACTCTTGAAATACAGTTTGAGGCTTGCAGTGAAGTATTATTTATAGATATATCCACGAATAT
 AATCAAACTCTTACTCCTGTACTTCTAGAAATGATGCAAACTCTTGAAGTCCAACCAATGTAGAAGATA
 TGAATGCACTGTTAATCAAAGATGCTGTGATAATGCTGTGGGATTAGCTGCTTTTGGAGTGTGTTGACAG
 TGTTGATTTTGATCAGTGGTTTAAACCCAACTTCTTCCGAATTACAAGTTTCTCATAATAGGTATAAG
 CCATTACGACGCAGGGTATTGGCTCATTGGTCAAGTGGATTTCTGTGAAATCAAGTCTGACTTGAGAC
 CCATGCTGATGAAGCAATCTGTAACCTGCTTCAAGATCAGGATTTAGTGGTCCGAATTGAAACAGCAAC
 AACTCTGAAGTAACTGTTGATGATTTTGAATTTAGGACAGATCAGTTTTTACCCTATCTGAAACCATG
 TTCACACTGCTTTCCAGTTGCTGCAGCAGGTTACAGAGTGTGATACAAAGATGCACGTGCTGCACGTCC
 TCTCCTGTGTGATCGAAAGAGTCAACGTGCAGATCCGACCATATGTGGGGTGTGGTACAGTATTTGCC
 TCTTCTGGAAGCAGAGCGAAGAACAACATGCTGCGATGCGCTATTCTGACAACACTTATCCACCTT
 GTTCAGGGATTAGGAGCAGACAGCAAGAACCTGTACCCTTCTGCTCCCAGTTATCCAGCTGAGTACAG
 ATGTGTCTCAGCCTCCACATGCTATCTTCTGGAAGATGGCCTGGAGTTATGGTTAGTGACATTGGAGAA
 CAGCCCATGTGTACACCAGAGCTGCTTCGTATATTTTCAAGATGTCACCTCTTCTTGAATTAAGTTCA
 GAGAATCTCAGAACCTGCTTTAAGATCATCAATGGCTATATCTTTTTATCATCAACAGAATTTTACAGA
 CATATGCAGCAGGTTTGTGCCAGTCTTTTATGAGCTGCTACCAGAGATTACTACAGAAGGTCAGTTCA
 AGTGTGAAGGTTGTGGAAAATGCCCTTAAAGTGAATCCAGTATTAGGCCACAGATGTTTCAGCGAAT
 CTACCCTGTGTTTTCAGAGGTGTTATTGAAGGCGAGAGGTATCCAGTAGTGATGTCCATTTATCTTGCTG
 TCATGGGTCGAGTCTTACTCCAGAATACCAGTCTTTTTCTTCACTTCTTAAATGAGATGGACACGAGTT
 TAATCAGGAGATGGACCAGCTTTTAGGAAATGTGATTGAAATGTGGGTCGATCGAATGGACAACATCACA
 CAGCCCGAAAGAAAGAACTCTCAGCTTTGGCTTTGCTTCTTCTGCTTCTGATAATAGTGTATCC
 AAGATAAATTTGTGGAATTATAAATATCTCAGTGGAGGCTCTTCATGATGTGATGACAGAAGACCTGGA
 AACAAAGAACTTACAAAGATTGTATGTTGATGTCTCAACACGAGGAACCGAAAGTAAACAGAAGATGAAGAG
 CCACCCACAGAACAAGACAAGAGGAAAAAGATGCTGGCCCTGAAGGACCCGGTGCACACAGTGTCTCTGC
 AGCAGTTCATCTATGAGAAGCTCAAGGCGCAGCAGGAGATCCTGGGGAGCAAGGCTTCCAGTCCCTCAT
 GGAAACGGTGGACACAGAGATTGCACCCAGCTGCAGGAGTTTTTGAAGGATTC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_029665
Insert Size:	2928 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_029665.3 , NP_083941.2
RefSeq Size:	4282 bp
RefSeq ORF:	2928 bp
Locus ID:	76582
UniProt ID:	Q8K2V6
Cytogenetics:	13 D1- D2.1
Gene Summary:	Functions in nuclear protein import as nuclear transport receptor. Serves as receptor for nuclear localization signals (NLS) in cargo substrates. Is thought to mediate docking of the importin/substrate complex to the nuclear pore complex (NPC) through binding to nucleoporin and the complex is subsequently translocated through the pore by an energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to the importin, the importin/substrate complex dissociates and importin is re-exported from the nucleus to the cytoplasm where GTP hydrolysis releases Ran. The directionality of nuclear import is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus (By similarity). Mediates the nuclear import of RPL12, and of UBE2E3 (By similarity).[UniProtKB/Swiss-Prot Function]