

Product datasheet for **MC204580**

Ipo13 (NM_146152) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ipo13 (NM_146152) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ipo13
Synonyms:	Imp13; Kap13; Ranbp13
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC031823
CACCTCCCTGCCAGGCAGGGAGCAAAGATGGAGCGGCGGGAGGAGCAGCTGGGGGCTGCAGGGGCTGGAG
CAGCACCAGCCTTGGACTTCACTGTGGAGAACGTGGAGAAGGCGCTGCACCAGCTCTACTACGACCCCAA
TATTGACAACAAGAACCTGGCTCAGAAGTGGCTGATGCAGGCCAGGTCTCTCCACAGGCCTGGCACTTC
AGCTGGCAGCTACTACAGCCAGACAAGGTGCCCGAGATCCAGTACTTTGGGGCCAGTGCCTGCACATCA
AGATCTCTCGCTACTGGAGCGACATCCCCACCGACCAGTATGAAAGCTTAAAGGCACAGCTCTTCACCCA
GATCACCCGCTTTGCCAGCGCTCCAAAATTGTCTGACTCGGCTGTGCGTGGCGCTGCCTCACTAGCT
CTCAGCATGATGCTGACGCTTGCCATGTGCTGTGGCAGATATGGTTCGGCTCTTCCAGGCTGAGGACT
CGCCGGTGGATAGCCAGGGCCGTTGCTGGCCCTGCTAGAGTTGCTGACAGTACTGCCCGAGGAGTTTCA
GACCAGCCGCTTGCCCCAGTACCGCAAAGGTCTGGTGCGGACCAGCCTGGCTGTGGAGTGTGGGACTGTC
TTCCATTGCTGGAGCAACTGCTACAACAGCCAGCTCTCCTAGCTGTGTGCGTCAGAAGGTGCTCAAGT
GCTTCTCCAGTTGGGTGCAGCTGGAGGTACCCCTGCAGGACTGTGAGGCGCTCATTACAGGCTGCCTTCGC
CGCTCTGCAGGACTCAGAGCTCTTGACAGCAGCGTGGAGGCCATTGTCAATGCCATCTCCCAACCTGAT
GCCCAAAGGTACGTGAACACACTCCTGAAACTCATTCTCTGGTGTGGGACTGCAGGAACAACCTGCGGC
AGGCAGTGCAGAAATGGGGACATGGAGACCTCCCATGGCATCTGCCGTATTGCTGTGGCCCTGGGCGAGAA
CCACTCTCGGGCCTTGCTAGACCAAGTAGAGCACTGGCAGAGCTTCTGGCACTCGTCAACATGATCATG
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ACACACTGCAGGATGACATTCTGTCTTTGAGGCAGAGAAGCAGGCTGTGTACCAGCAGGTGACCGGCC
AGTCTACTTCCAGCTGGTGGACGTGCTTCTGCACAAGGCCAGTTCCTTCTGACGAGGAGTATGGATTC
TGGTCTCAGACGAAAAGGAGCAGTTCGGTATCTACAGGGTGGACATCTCAGACACACTCATGTATGTCT
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GTCAACTACTCTGATGTGGTACCAGGGCTCATTGGCCTCATCCACGGATCAGCATCAACACGTCAGT
TGGCGGATACTGTATGTTCAACATTGGAGCTCTGTCTGAATGGCTGGCTGACCACCCCGTCATGATCAA
CAGCGTTCTGCCCTTGTGCTGCATGCCCTAGGCAATCCTGAGCTGTCTGTGTCTGTGTCGACCCTC
AAAAAGATCTGCCGAGAGTGCAAGTATGACCTGCCGCCCTATGCTGCCAACATTGTAGTGTCTCCAGG
ATGTGCTGATGAAGCAGATTACAAAGACAAGCCAGTGCATGTGGCTGATGCAGGCCCTGGGCTTCTGCT
GTCAGCCCTGCAGGTGGAGGAGATCCTGAAGAACCTGCACTCCCTCATCTCTCCCTACATCCAACAGCTG
GAGAAGCTGGCAGAAGAGATACCTAATCCCTCTAACAAGCTGGCCATTGTCCACATCTTGGGGCTTCTTT
CCAACCTCTTTACCACACTGGACGTGAGTCATCATGAGGATGATCATGAAGGCCCTGAACCTCCGGAAGTT
GCCAGTGCCACAAGGACCAACCCGGTGGTGGTGTGCTGCAGCAGGTCTTCCAGCTCATCCAGAAGGTG
CTGAGCAAGTGGCTGAATGACGCCAGGTGGTTGAGGCGGTATGCGCCATCTTTGAGAAGCTGTTAAGA
CACTGCTGGATGACTTTGCCCCCATGGTGCCGAGCTCTGTGAGATGCTGGGTCGGATGTACAGTACTGT
TCCCCAGGCCTCTGCTCTTGACCTCACCCGGCAGCTGGTCCACATCTTTGCCACGAGCCTGCCACTTT
CCCCCAATAGAGGCCCTTCTCTGCTGGTACTCCGTCAACTCAGTCTCTTCCAGCAAGGGCCAGGG
ATCATCTGATATTGTTGATTCAATTTATGCAACTCCTGGCACAGGCTTTGAAGCGGAAGCCAGATTTGTT
CCTGTGTGAGCGACTGGATGTCAAAGCTGTGTTCCAGTGTGCCGTGCTGGCCCTCAAGTTCCTGAGGCA
CCTACTGTCAAGGCCCTCTGTGGCTTCTTTACTGAGCTGCTGCCTCGATGTGGGAAATAGAGTCTGTGG
GGAAAGTGGTACAGGAAGATGGCCGTATGCTGCTCATAGCAGTGTGGAGGCCATCGGGGGCCAGGCCTC
CGTAGCCTCATGGACTGTTTTGCCGACATCCTGTTCCGCTGAACAAACTGCTTCCAGCTCCTGAGC
ATGTGGATCAAGGAGGCTCTGCAGCCACCTGGTTTTCCATCTGCCCGTCTCAGCCCTGAGCAGAAGGACA
CCTTTAGCCAGCAGATACTTCGTGAGCGAGTAAACAAGAGACGGGTGAAGGAGATGGTGAAGGAATTTAC
ACTGCTCTGCCGGGGCTACATGGCACGGACTACACAGCTGACTACTGAGGGACATGTGTGTCCCGCCTC
ACCCCTTCTTACCCCTTCTGTTCCCAAAGAGTAAACCTGGACTCTTAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_146152

Insert Size: 2892 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:	BC031823 , AAH31823
RefSeq Size:	3019 bp
RefSeq ORF:	2892 bp
Locus ID:	230673
UniProt ID:	Q8K0C1
Cytogenetics:	4 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 UBC9, the RBM8A/MAGOH complex, PAX6 and probably other members of the paired homeobox family. Also mediates nuclear export of eIF-1A, and the cytoplasmic release of eIF-1A is triggered by the loading of import substrates onto IPO13 (By similarity). [UniProtKB/Swiss-Prot Function]