

## Product datasheet for **RR209044**

### Ipo13 (NM\_053778) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ipo13 (NM_053778) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ipo13
Synonyms:	Imp13; Lgl2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR209044 representing NM\_053778  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCGCGGGAGGAGCAGCTGGGGGCTGCAGGGGCTGGAGCAGCACCAGCCTTGGACTTCACTGTGG  
 AGAACGTGGAGAAGGCGCTGCACCAGCTCTACTACGACCCCAATATTGAGAACAAGAACCTGGCTCAGAA  
 GTGGCTGATGCAGGCCAGGTCTCTCCACAGCCCTGGCATTTCAGCTGGCAGCTACTACAGCCAGACAAG  
 GTGCCTGAGATCCAGTACTTTGGGGCCAGTGCCCTGCACATCAAGATCTCTCGCTATTGGAGTGACATCC  
 CCACCGACCAGTATGAAAGCCTAAAGGCGCACTTTTACCCAGATCACCCGCTTTGCCAGTGGCTCCAA  
 AATTGTGCTGACTCGGCTATGTGTGGCGCTGGCCTCACTGGCTCTCAGTATGATGCCTGACGCTTGGCCA  
 TGTGCTGTGGCAGATATGGTCCGGCTCTCCAAGCTGAGGACTCTCCGGTGGATAGCCAGGGCCGTTGTC  
 TGGCCCTGCTAGAGTTGCTGACGGTACTGCCTGAGGAGTTTCAGACCAGTCGCTTGCCCCAGTACCGCAA  
 AGGTCTGGTACGGGCCAGCCTGGCGGTGGAGTGTGGGGCTGTCTCCATTGCTGGAGCAATTGCTACAA  
 CAGCCCAGCTCTCCAGCTGTGTGCGTCAAGAGTGTCTAAGTGTCTCCAGCTGGGTGCAGCTGGAAAG  
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 CAGCAGCGTGGAGGCCATTGTCAATGCTATCTCCAGCCAGATGCCCAAAGGATGTGAACACACTCCTG  
 AAACTCATTCCGTTGGTGTGGGACTGCAGGAGCAACTGCGGCAGGCAGTGCAGAATGGGGACATGGAGA  
 CCTCCCATGGCATCTGCCGATTGCTGTGGCCCTGGGCGAGAACCCTCTCGGCCCTTGCTAGATCAAGT  
 AGAACACTGGCAAAGCTTCTGGCACTGTCAACATGATCATGTTCTGCACAGGCATCCCTGGCCACTAT  
 CCTGTCAATGAGACCACCAGCTCCCTCACTCTCACCTTCTGGTACACACTGCAGGATGACATTTCTGTCT  
 TTGAGGCAGAGAAGCAGGCTGTGTACCAGCAGGTGTACCGGCCAGTCTACTTCCAGCTGGTGACGTGCT  
 TCTGCACAAGGCCAGTTCCCTCTGATGAGGAATATGGATTCTGGTCTCAGATGAAAAGGAGCAGTTTC  
 CGAATCTACAGGGTGGACATTTACAGACACTCATGTATGTGTATGAGATGCTGGGGGCTGAGTGTCTTA  
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 CCTAGGCAATCCTGAGCTGTCTGTCTCATCAGTGTGACCCTCAAAAAGATCTGCCGAGAGTGCAAGTAT  
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 GTCATCATGAAGATGATCACGAAGGCCCTGAGCTCCGAAAGCTGCCAGTCCACAGGGACCAACCCGGT  
 GGTGGTCGTGCTGCAGCAGGTCTCCAGCTCATCCAGAAGGTGCTGAGCAAGTGGCTGAGTGTGCCAG  
 GTGGTCGAGGCGGTGTGTGCCATCTTTGAGAAGTCTGTTAAGACACTGCTGGATGACTTTGCCCCATGG  
 TGCCACAGCTCTGTGAGATGCTGGGTGGATGTACAGCACCGTTCCCCAGGCCTCTGCTCTTGCCCTCAC  
 TCGACAGTTGGTCCACATCTTTGCCACAGCCTGCCACTTTCCCCCAATAGAGGCCCTCTTCCCTGTG  
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 TTTACTGAGTGTGCTCGATGTGGGAAATAGAATCTGTGGGAAAGTGGTACAGGAAGATGGCCGTA  
 TGCTGCTCATAGCAGTGTGGAGGCCATCGGGGCCAGGCCTCCCGTAGCCTCATGGACTGTTTTGCTGA  
 CATCCTGTTGCCCTGAACAAACTGCTTACGCTCCTAAGCATGTGGATCAAGGAGGCTTACAGCCA  
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 AGACTACACAGCTGACTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209044 representing NM\_053778  
 Red=Cloning site Green=Tags(s)

MERREEQLGAAGAGAALDFTVENVEKALHQLYYDPNIENKNLAQKWLMAQVSPQAWHFSWQLLQPK  
 VPEIQYFGASALHIKISRYWSDIPTDQYESLKAHSFTQITRFASGSKIVLTRLVALASLALSMMPDAWP  
 CAVADMVRLFQAEDSPVDSQGRCLALLELLTVLPEEFQTSRLPQYRKGLVRASLAVECGAVFPLLEQLLQ  
 QPSSPSCVRQKVLKCFSSWVQLEVPLODCEALIQAAFAALQDSELFDSSVEAIVNAISQPDARQRYVNTLL  
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 RIYRVDISDTLMYVYEMLGAELLSNLYDKLGRLLTSSEEPYSWQHTEALLYGFQSAETIDVNYSDVVP  
 LIGLIPRISISNVQLADTMFTIGALSEWLADHPVMINSVLPVHALGNPELSVSSVSTLKKICRECKY  
 ELPPYAANIVAVSQDVLKQIHKTSQCMWLMQALGFLLSALQVEENLKNLHSLISTYIQQLKLAEEIPK  
 PSNKLAIVHILGLLSNLFTTLDVSHHEDDHEGPELRKLPVPQGNPVVVVLQQVFQLIQKVLKWLSDAQ  
 VVEAVCAIFEKSVKTLDDFAPMVPQLCEMLGRMYSTVPQASALDLTRQLVHIFAHEPAHFPIEALFLL  
 VTSVTLSLFQQGPRDHPDIVDSFMQLLAQALKRKPDLFQCERLDVKAVFQCAVLALKFPEAPTVCASCGF  
 FTELLPRCGEIESVGGKVVQEDGRMLLIAVLEAIGGQASRSLMDCFADILFALNKHCFSLLSMWIKEALQP  
 PGFPSARLSPEQKDTFSQQILRERVNKRVRKEMVKEFTLLCRGLHGTDYADY

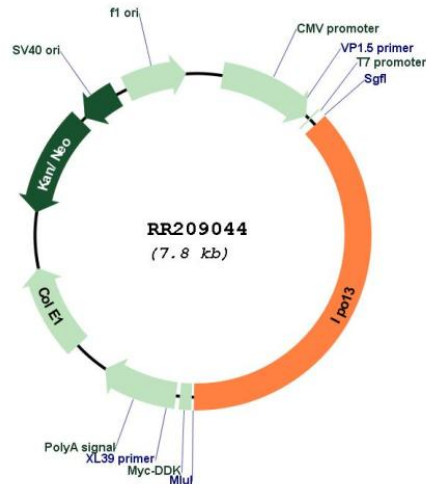
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_053778

**ORF Size:** 2889 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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\\_053778.1](#), [NP\\_446230.1](#)

**RefSeq Size:** 3559 bp

**RefSeq ORF:** 2892 bp

**Locus ID:** 116458

**UniProt ID:** [Q9JIM04](#)

**Cytogenetics:** 5q36

**MW:** 108.2 kDa

**Gene Summary:** may be a nuclear import protein involved in import of transcription factors that regulate signal transduction during fetal lung development [RGD, Feb 2006]