

## Product datasheet for **RG207519**

### **IPO11 (NM\_016338) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	IPO11 (NM_016338) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IPO11
Synonyms:	RanBP11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG207519 representing NM\_016338  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATCTCAATAGTGCCAGCACTGTTGTTCTTCAGGTGTTAACACAGGCCACCAGTCAGGATACTGCTG  
 TGTTAAAACAGCTGAGGAGCAGTTGAAGCAGTGGGAGACACAGCCAGGTTTCTATTCAGTGTGCTGAA  
 TATTTTACCAACCACACTTTGGATATAAATGTAGGTGGCTTGCTGACTGTATTTTAAACATGGAATT  
 GATCGCTACTGGAGACGTGTAGCACCTCATGCTCTCAGAGGAGGAGAAAACTACTCTGCGTGCAGGGC  
 TCATCACCAACTTCAATGAACCAATAAACAGATTGCAACTCAGATTGCAGTGTCTATTGCAAAAAGTTGC  
 TAGATTGGATTGTCCAGACAGTGGCCTGAACTAATCCACTCTATAGAGTCTGTTAAAGTCCAGGAT  
 GATCTTCGACAGCACAGACATTACTTACCTTCTATCATGTTACCAAGACTGGCATCTAACGACTTG  
 CTGCTGATAGAAAATATTTTATGATTTAGCTTCTGGAATTTATAATTTTGCCTGCTCTCTGTGGAATCA  
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 ACACTGCTATCATTGAAAGTGTGCGTAAGTAACTGTTAATGGATTTGTGGAACCTCATAAGAATATGG  
 AGGTGATGGGTTTTTACATGGAATATTTGAACGTCTAAAACAGTTTCTGGAATGCAGTAGAAGTATAGG  
 TACAGATAATGTTGTAGAGATAGACTGGAAAAGACCATCATTCTTTTACTAAAGTGTCTTTGGACTTC  
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 CAGCCTGAAAGAAGAAAACCTTTCAGCTTTGGCTTGTCTCTCTTCTGCCATCTGATAATAGTGTATCC  
 AAGATAAATCTGTGGGATTATAAACATTTTCAAGTGAAGGCTGCATGATGTCATGACGGAAGATCTGGA  
 AACAGGAACCTTAAAGACTGTATGTTGATGTCTCATCTTGAAGAACCAAAAGTAAACAGAAGATGAAGAA  
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 AGCAGTTCATCTACGAGAAGCTCAAGGCACAGCAGGAGATGCTAGGAGAACAAGGTTTCCAGTCCCTCAT  
 GGAACAGTGGATACGGAGATTGCACCCAGCTACAGGAGTTTTTGAAGGATTC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:** >RG207519 representing NM\_016338  
Red=Cloning site Green=Tags(s)

```
MDLNSASTVVVLQVLTQATSQDTAVLKPAEEQLKQWETQPGFYVLLNIFTNHTLDINVRWLAVLYFKHGI
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KIKMAFFTYPTLTEICRRLVSHYFLLTEEELTMWEEDPEGFTVEETGGDSWKYSLRPCTEVLVIDIFHEY
NQTLTPVLEMMQTLQGPTNVEDMNALLIKDAVYNAVGLAAYELFDSVDFDQWFKNQLLPELQVIHNRYK
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LPYVFKGIIIEGERYPVVMSTYLGVNMRVLLQNTSFFSLLNEMAHKFNQEMDQLLGNMIEMWVDRMDNIT
QPERRKLSALALLSLLPSDNSVIQDKFCGIIINISVEGLHDVMTEDPETGTYYKDCMLMSHLEPKVTEDEE
PPTEQDKRKKMLALKDPVHTVSLQQFIYEKKAQQEMLGEQGFQSLMETVDEIVTQLQEFLLQGF
```

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

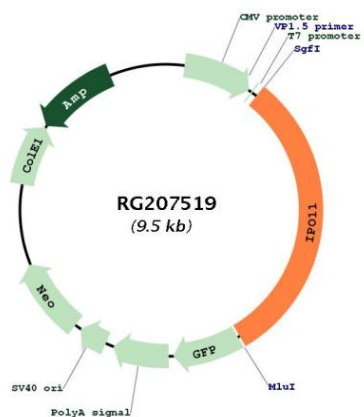


**ACCN:** NM\_016338

**ORF Size:** 2925 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_016338.3</a> , <a href="#">NP_057422.3</a>
<b>RefSeq Size:</b>	4399 bp
<b>RefSeq ORF:</b>	2928 bp
<b>Locus ID:</b>	51194
<b>UniProt ID:</b>	<a href="#">Q9UI26</a>
<b>Cytogenetics:</b>	5q12.1
<b>Domains:</b>	IBN_NT
<b>Gene Summary:</b>	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]

Product images:



Circular map for RG207519