

Product datasheet for **RG226299**

IPO11 (NM_001134779) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IPO11 (NM_001134779) 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)
ORF Nucleotide Sequence:	>RG226299 representing NM_001134779 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTACAGCCTATTATACACTTGGGCTATGTGGTATATAGCTTATTGTATCTAGGCTATAAGCCTGTAC
AGCATGTTACTGCACTGAATACTGTAAGCAGTTGTCACAAAATGGTTTCCATGGATCTCAATAGTGCCAG
CACTGTTGTTCTTCAGGTGTTAACACAGGCCACCAGTCAGGATACTGCTGTGTTAAACCAGCTGAGGAG
CAGTTGAAGCAGTGGGAGACACAGCCAGGTTTCTATTCAGTGTGCTGAATATTTTACCAACCACACTT
TGGATATAAATGTAAGGTGGCTTGTCTACTGTATTTTAAACATGGAATTGATCGCTACTGGAGACGTGT
AGCACCTCATGCTCTCAGAGGAGGAGAAAACACTCTGCGTGCAGGGCTCATCACCAACTTCAATGAA
CCAATAAACAGATTGCAACTCAGATTGCAAGTGTCTATTGCAAAAAGTTGCTAGATTGGATTGCCCAGAC
AGTGGCCTGAACTAATCCCCTCTTATAGAGTCTGTTAAAGTCCAGGATGATCTTCGACAGCACAGAGC
ATTACTTACCTTCTATCATGTTACCAAGACACTGGCATCTAAACGACTTGTCTGCTGATAGAAAACATTT
TATGATTTAGCTTCTGGAATTTATAATTTTGCCTGCTCTCTGTGGAATCACCCACAGACACATTCCTGC
AAGAAGTTTCTTCTGGCAATGAAGCTGCAATTTGAGTTCCTAGAACGAACACTGCTATCATTGAAAGT
GCTGCGTAAGTTAACTGTTAATGGATTTGTGGAACCTCATAAGAATATGGAGGTGATGGGTTTTTACAT
GGAATATTTGAACGTCTAAAACAGTTTCTGGAATGCAGTAGAAGTATAGGTACAGATAATGTGTGATAG
ATAGACTGAAAAAGACCATCATTCTTTTTACTAAAGTGCTTTTGGACTTCTTGGATCAGCATCCTTTTTTC
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GATGCTGTGATAATGCTGTTGGATTAGCTGCTTATGAGCTCTTTGACAGTGTTGATTTTATGATCAGTGGT
 TAAAAACCAGCTTCTTCCAGAATTACAAGTATTACAATAGGTATAAGCCATTGCGACGCAGGGTGT
 TTGGCTCATCGGTCAGTGGATTTCTGTGAAATCAAGTCTGACTTAAGACCCATGCTTTATGAAGCAATC
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 CTCAAGGCACAGCAGGAGATGCTAGGAGAACAAGGTTTCCAGTCCCTCATGGAACAGTGGATACGGAGA
 TTGTCACCCAGCTACAGGAGTTTTTGAAGGATTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG226299 representing NM_001134779

Red=Cloning site Green=Tags(s)

MVQPIIHLGYVVYSLLYLGYKPVQHVLTALNTVSSCHKMVSMDLNSASTVVLQVLQATSQDTAVLKPAAE
 QLKQWETQPGFYSVLLNIFTNHTLDINVRWLAVLYFKHGIDRYWRRVAPHALSEEEKTTLRAGLITNFNE
 P.INQIATQIAVLIKVARLDCPRQWPELIPTLIESVKVQDDLQHRALLTFYHVTKTLASKRLAADRKL
 YDLASGIYNFACSLWNHHTDFTLQEVSSGNEAAILSSLERTLLSLKVLRLKLVNGFVEPHKNMEVMGFLH
 GIFERLQFLECSRSIGTDNVCRRDRLEKTIILFTKVLDFLDQHPFSFTPLIQRSLFVSYSVVFTEVGEG
 VTFERFIVQCMNLKMIKVNAYKPSKNFEDSSPETLEAHKIKMAFFTYPTLTEICRRLVSHYFLLTEE
 LTMWEEDPEGFTVEETGGDSWKYSRCPTEVLFIDIFHEYNTLTPVLEMMQTLQGPTNVEDMNLLIK
 DAVYNAVGLAAYELFDSVDFDQWFKNQLPELQVIHNRKPLRRRVIWLIQWISVKFKSDLRPMLYEA
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 VNMQIRPYVYVGLVQYLPPLWQSEHNMLRCAILTTLIHLVQGLGADSKNLYPFLLPVIQLSTDVSQPPH
 VYLLEDGLELWLVLENSPCITPELLRIFQNMSPLELSSENLRTCFKIINGYIFLSSTEFLQTYAVGLC
 QSFCELLKEITTEGQVQVLKVVENALKVNPILGPQMFQPILPYVFKGIEGERYPVVMSTYLGVMGVRL
 QNTSFFSLLNEMAHKFNQEMDQLGNMIEMWVDRMDNITQPERRKLSALALLSLLPSDINSVIQDKFCGI
 INISVEGLHDMTEDEPETGTYKDCMLMSHLEPKVTEDEEPPTEQDKRKKMLALKDPVHTVSLQQFIYEK
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TRTRPLE – GFP Tag – V

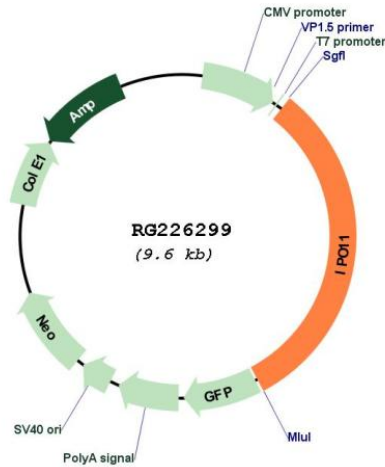
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134779

ORF Size: 3045 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:	<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:	<u>NM_001134779.1</u> , <u>NP_001128251.1</u>
RefSeq Size:	4480 bp
RefSeq ORF:	3048 bp
Locus ID:	51194
UniProt ID:	<u>Q9UI26</u>
Cytogenetics:	5q12.1
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]