

Product datasheet for **RC231423**

Importin 8 (IPO8) (NM_001190995) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Importin 8 (IPO8) (NM_001190995) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Importin 8
Synonyms:	RANBP8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC231423 representing NM_001190995
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAAGTTTGACCCTCAAAGGTATGCATTGCCTCTTCAGCTAGTGAATAACCAAACCATGACAACAT
 GGATGGAGATCTCCGAACATATTATCGACAGGACCGTTCTCCTGAGACTCTGCACATTGATGAGGATGA
 TAGACCAGAACTGGTATGGTGGAAAGTGAAGAAGTGGGCACTGCATATTGTAGCTCGGCTCTTTGAACGA
 TATGGAAGCCCAGGAAATGTCACAAAAGAATACTTTGAATTTTCTGAATCTTTTTGAAAACCTATGCAG
 TGGGCATTGAGCAGGTGCTACTAAAAATTTAGATCAATATAGACAGAAAAGAATATGTAGCTCCCGTGT
 TCTTCAGCAAGCATTCAACTATCTCAACCAAGGGGTGGTTCATTCTATAACCTGGAAGCAGATGAAGCCA
 CACATACAGAATATCTCTGAAGATGTGATTTTTCTGTGATGTGTATAAAGATGAGGATGAAGAGCTGT
 GGCAAGAAGATCCATATGAGTATATAAGGATGAAATTTGATATTTTTGAAGATTATGCTTCTCCACCAC
 AGCAGCCAGACTCTTATATACTGCTGCAAAGAAAAGAAAAGAGGTGTGCCAAAAATGATGGCATTCT
 TGTATCAAATCCTGACAGACCCGAACCTTTGACCTAGGAAGAAAAGATGGAGCCCTGCATGTGATTGGTT
 CCCTAGCTGAGATTTTACTGAAGAAGAGTTTATCAAGGACCAAAATGGAGCTGTTTCTACAAAATCATGT
 ATTTCCATTATTATTGTCTAACCTGGGATATCTTCGAGCTAGATCTTGTGGTACTTTCATGCATTTAGT
 TCTTTGAAGTTCATAATGAGCTCAATCTAAGAAATGCCGTTGAATTAGCGAAGAAGAGCCTGATTGAAG
 AATAAGAGATGCCTGTCAAAGTTGAAGCTGCCCTTGTCTTCAGTCTTTAATTTCTAACCCAGATACAAGC
 TAAGGAATATATGAAGCCACATGTGAGGCTATATGCAGGAAGTGTGCACATTGTTAGAGAGACAGAA
 AATGATGATGTTACTAATGTCATCCAGAAGATGATATGTGAATACAGTCAAGAGGTAGCCTCAATTGCTG
 TTGATATGACCAACACTTGGCTGAGATATTTGGCAAAGTCTTCAAAGTGATGAATATGAAGAAGTTGA
 AGACAAAACAGTAATGGCTATGGGAATTTACATACCATTGATACTATCTTAACAGTTGTAGAAGATCAT
 AAAGAGATTACCCAGCAGTTAGAGAATATCTGTCTACGGATCATTGATCTTGTCTGCAGAAACATGTAA
 TTGAATCTATGAAGAAATCTTTCCCTGGCATAACAGTTTAACTGCCACAGTATTTCCCTCAAATGTG
 GCAGCTTCTAGGTATACTATATGAAGTGTTCAGCAGGATTGCTTTGAATACTTTACAGACATGATGCC
 CTCCTGCATAATTATGTGACAATAGATACAGATACCTTACTATCAAATGCAAAACATTTAGAAATCTTT
 TTACAATGTGTAGGAAGTACTATGTGGAGATGCAGGAGAAGATGCAGAGTGCATGCAGCTAAACTTCT
 GGAAGTCATCATTCTTCAGTCAAAGGAAGGGGAATTGATCAGTGCATTCCACTCTTCGTTCAACTTGTT
 TTGGAGAGATTAACCTCGAGGGGTCAAACCTAGTGAGCTTCGTAATGTGTCTTCAGGTTGCAATTGCTG
 CCTTGTACTACAACCCTGATTTGCTGCTACATACTTTAGAACGAATTCAGTTGCCTCACAAACCCTGGACC
 TATCACTGTACAGTTTATAAATCAATGGATGAATGATACAGATTGTTTTCTTGGGCATCATGACCCGAAG
 ATGTGTATAATAGGACTGAGTATCCTTTTGAATTGCAAAATCGACCTCCTGCAGTAGATGCTGTGGTGG
 GACAGATTGTTCCCTCAATCTTTTCTTTTCTTGGCCTAAAGCAGGTCTGTGCTACTAGACAACCTGGT
 AAACCCGGGAAGATCGTTCAAAGCAGAGAAAGCTGATATGGAAGAAAATGAGGAGATTTCAAGTGATGAA
 GAGGAGACAAATGTAAGTCTCAAGCAATGCAGTCAAAATGGAAGAGGTGAAGATGAGGAGGAGGAAG
 ATGATGACTGGGATGAAGAAGTATTGGAAGAAACCGCCTTGGGGGTTCACTACTCCACTTGACCTTGA
 CAATAGTGTGGATGAATATCAGTTTTTTACACAAGCTCTGATAACTGTGCAGAGTGCAGATGCAGCCTGG
 TACCAGCTGCTGATGGCACCCTCAGCGAGGATCAGAGGACAGCACTGCAGGAGGTGTACACACTGGCAG
 AGCACCGACGGCAGTGGCAGAGGCAAAGAAGATTGAACAACAGGGAGGCTTACCTTTGAAAACAA
 AGGAGTCTCTCCGATTTAATTTGGGACTGTGCCAGCAACAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231423 representing NM_001190995
Red=Cloning site Green=Tags(s)

MESLTLKGYALPLQLVNNQTMTTWMEIFRTIIDRTVPPETLHIDEDDRPELVWWKCKKWALHIVARL FER
YGSPGNVTKEYFEFSEFFLKTYAVGIQQVLLKILDQYRQKEYVAPRVLQQAFNYLNQGVVHSITWKQMKP
HIQNI SEDVIFSVMCYKDEDEELWQEDPYEYIRMKFDIFEDYASPTTAAQTLLYTA AKKRKEVLPKMMAF
CYQILTDPNFDPRKKDGALHVIGSLAEILLKKS LFKDQME LFLQNHVFP LLLSNLGYLRARSCWV LHAFS
SLKFHNE LNLRNAVELAKKSLIEDKEMPVKVEAALALQSLISNQIQAKEYMKPHVRPIMQELLHIVRETE
NDDVTNVIQKMICEYSQEVASIAVDMTQHLAEIFGKVLQSDEYEEVEDKTMAMGILHTIDTILTVVEDH
KEITQQLENI CLR IIDLV LQKHVIEFYEEILSLAYSLTCHSISPQMWQLLGILYEVFQQDCFEYFTDMMP
LLHNYVTIDTDTLLSNAKHLEILFTMCRKVL CGDAGEDAECHA AKLLEVIILQCKGRGIDQCIPLFVQLV
LERL TRGVKTSELRTMCLQVAIAALYYNPDLLHTLERIQLPHNPGPITVQFINQWMNDTDCFLGHHDRK
MCIIGLSILLELQNRPPAVDAVVGQIVPSILFLFLGLKQVCATRQLVNREDRSKAEKADMEENEEISSDE
EETNVTAQAMQSNNGRGEDEEEEDDDWDEEVLEETALEGFSTPLDLNSVDEYQFFQTALITVQSRDAAW
YQLLMAPLSEDQRTALQEVYTLAEHRRTVAEAKKKIEQQGGFTFENKGVLSAFNFGTVPSNN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

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_001190995.1](#), [NP_001177924.1](#)

RefSeq ORF: 2499 bp

Locus ID: 10526

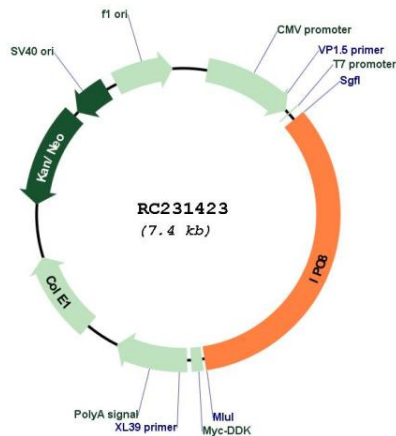
UniProt ID: [O15397](#)

Cytogenetics: 12p11.21

MW: 96.5 kDa

Gene Summary: The importin-alpha/beta complex and the GTPase Ran mediate nuclear import of proteins with a classical nuclear localization signal. The protein encoded by this gene is a member of a class of approximately 20 potential Ran targets that share a sequence motif related to the Ran-binding site of importin-beta. This protein binds to the nuclear pore complex and, along with RanGTP and RANBP1, inhibits the GAP stimulation of the Ran GTPase. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]

Product images:



Circular map for RC231423