

Product datasheet for **SC304247**

XPO6 (NM_015171) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XPO6 (NM_015171) Human Untagged Clone
Tag:	Tag Free
Symbol:	XPO6
Synonyms:	EXP6; RANBP20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304247 representing NM_015171. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGCATCTGAAGAAGCCTCTCTCAGGGCATTGGAAAGTCTGATGACAGAATTTTTTACGATTGTACA
ACCAATGAAAGAAAACGTGAGATAGAGGAGCTTCTTAATAACTTTGCCAGCAAATAGGAGCCTGGAGA
TTCTGCCTGTACTTTCTCTCCAGCACTAGGAATGACTATGTAATGATGTACAGTTTAAACAGTTTGTAG
AATCTGATCAATAAAATGTGGCTTGGGGTCCCCTCTCAGGATAAGATGGAAATCCGTAGCTGTCTGCC
AAACTCCTTTGGCTCACCATAAAACCTTACCTTACTTTATCCGGAACAAGCTCTGCAAAGTTATTGTT
GATATTGGACGTGAGATTGGCCATGTTCTACCACGACTTTTTTACTAACATTTTACAGTTGATCCAG
TCCCTGTGACAACCCCTTGGGCTGATCATGTTGAAGACAACCTCAGAAGAGCTGGCTTGTCCCGT
GAGGACCTCAGTGTGGCTCGGAAGGAGGAGTTGCGGAAGCTGCTACTGGACCAGGTGCAGACAGTGCTT
GGGCTACTGACAGGTATCTTGGAGACTGTCTGGGACAAACACAGTGTTACTGCTGCCACTCCACCACCA
TCCCGACCTCAGGAGAAAGTGGTGAAGTACTGAGTAACCTGTTGCAGAGTCCCAGTTACGCCAACTG
TTGAATCAGCCAATCCCCTCTGATGTGGAGAGTGAGTATCTGTTCCCTGGCTTTGGAGTGCCTG
GCCCATCTCTTCAGTTGGATTCTCTGTCTGCCAGCATACCCCATCCCTCCTTACCACCATCTCCAC
TTTGCACGATTTGGCTGTGACATCCGGGCCAGAAAGATGGCGTCAGTTAACGGCAGCAGCCAGAAGTGT
GTCTCGGGTCAGGAGCGCGCGGCTGGGGTCTGGCCATGTCCTGCATCAATGAATCATGTCCAAG
AAGTGTGTGCCTATGGAATTTGAGGAGTATTTACTGCGTATGTTCCAGCAGACTTTCTACCTCTGCAG
AAAATACCAAGGATAACAATGCCACACAGTGAAGAGCAGGCTAGAAGAGCTCGATGAGAGCTATATC
GAGAAGTTTACTGACTTTCTTCGGCTCTTTGTGAGTGTTACCTAAGAAGAATCGAGTCTTACTCCAG
TTCCCTGTGGTGGAGTTTTTGACACTTTTGTCAAGTACACATTCATCAGCCTACTCATGAAGTTAC
TTCTCTTGTGGATATCTGGACGCTGTTTTGGACTATCTGACAAGTAAATTAAGTCGTCTTGA
GACAAGGAAGCAGTTCTCAACAGGTACGAAGATGCCCTGGTGCTCCTGCTCAGAGAGGTGTTGAATCGA
ATCCAGTTCAGATACAACCAAGCCAGCTGGAGGAGTTGGATGATGAGACTCTGGATGACGATCAGCAG
ACGGAGTGGCAGCGGTACTTACGGCAGAGCTTGGAGGTGGTGGCCAAAGTGATGGAGCTCCTGCCACG



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CACGCCTTCTCCACACTGTTCCCTGTTCTTCAGGACAATTTAGAAGTTTATTTGGGATTACAACAGTTT
 ATAGTCACTTCAGGGTCAGGACACAGGTTGAACATCACGGCGGAGAACGACTGCCGGCGGCTGCACTGC
 TCCCTGAGAGACTTGAGCTCCCTGCTGCAGGCCGTGGGCCGCCTGGCCGAGTACTTTATCGGGGATGTG
 TTTGCTGCACGGTTCAATGATGCCCTCACAGTCGTGGAAGGTTGGTCAAAGTCACTCTGTACGGATCT
 CAGATAAAATTGTACAACATTGAACTGCTGTGCCATCAGTATTGAAACCTGACCTCATTGATGTGCAT
 GCTCAGTCCCTGGCTGCGCTGCAGGCTTACTCTCACTGGTTCAGCAGTATTGCAGTGAAGTTACCCGG
 CAGAACACGCAGCAGTTCGTGACACTCATCTCTACTACCATGGATGCAATCACACCTCTAATCAGACC
 AAGGTCCAAGACAAGCTGCTGCTATCTGCGTGCCACTTACTGGTCTCACTGGCCACCACCGTGCGGCC
 GTCTTTCTGATCAGCATCCCTGCAGTGCAGAAAGTATTCAACAGAATCACTGATGCCTCTGCCCTGCGA
 CTTGTGCGATAAGGCCAGGTGTTGGTGTGCCGAGCCCTCTTAACATCTTGCTGCTTCCGTGGCCAAAC
 CTTCCAGAGAATGAGCAGCAGTGGCCCGTGCCTCCATCAACCAGCCAGCCTCATCTCTGCACTCTCC
 CGGGACTATCGCAACCTGAAGCCAGTGTGTTGCCCCACAGAGAAAGATGCCACTGGATGACACCAAA
 CTGATTATCCACCAGACACTCAGCGTCTTAGAAGATATTGTGGAGAATATCTCGGGGAGTCCACCAAG
 TCTCGACAGATTTGCTACCAGTCGCTGCAGGAATCTGTTCAAGTCTCCCTGGCCCTTTTCCAGCTTTT
 ATCCATCAGTCAGATGTGACTGATGAGATGCTGAGCTTCTTCTCACTCTGTTTCGAGGCCTTAGAGTA
 CAGATGGGTGTGCTTTCACTGAGCAAATCATACAGACTTTCCTCAACATGTTTACCAGAGAGCAGTTA
 GCCGAGAGCATCCTCCAGAGGGCAGCAGAGGCTGCCGGGTGGTGGAGAAGTTTCTGAAGATCCTGCAG
 GTGGTGTGTCAGGAGCCAGGCCAGGTGTTCAAGCCCTTCTCCCCAGCATCATCGCCCTGTGCATGGAG
 CAAGTGTATCCCATATTGCCGAGCGTCCCTCCCTGATGTGAAGGCCGAGCTGTTTGAGCTCCTTTTC
 CGGACGCTCCATCACAACCTGGAGGTACTTCTCAAGTCCACCGTGTGTCAGTGTCCAGAGGGGATC
 GCTGAGGAGCAGATGGAGAATGAGCCCCAGTTCAGTGCCATCATGCAGGCTTTCGACAGTCCTTTCTC
 CAGCCCCGACATCCACCTTTTAAACAAAATCTTCTACTTGGAGACTCTCAACACCAAGCAGAAGCTG
 TACCACAAGAAGATCTTCCGAGTGCCTGCTGTTCCAGTTTGTGAACGTGCTGCCAGGTCTGCTGCTG
 CACAAGTCCCATGATCTTCTGCAGGAGGAGATTGGCATCGCCATCTACAACATGGCCTCAGTCGACTTT
 GATGGCTTCTTTGCCGCTTCTCCAGAGTTCCTGACCAGCTGTGATGGTGTGGATGCCAACCAGAAA
 AGTGTGCTGGGGCGAATTTCAAGATGGATCGGGACCTGCCCTCATTACCCAGAATGTGCACAGGCTG
 GTCAACGACCTGCGCTACTACAGACTCTGCAACGACAGCCTGCCCCCTGGCACTGTGAAGCTC**AG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_015171
Insert Size:	3378 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_015171.3](#)

RefSeq Size: 4504 bp

RefSeq ORF: 3378 bp

Locus ID: 23214

UniProt ID: [Q96QU8](#)

Cytogenetics: 16p12.1

MW: 128.9 kDa

Gene Summary: The protein encoded by this gene is a member of the importin-beta family. Members of this family are regulated by the GTPase Ran to mediate transport of cargo across the nuclear envelope. This protein has been shown to mediate nuclear export of profilin-actin complexes. A pseudogene of this gene is located on the long arm of chromosome 14. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Aug 2012]

Transcript Variant: This variant (2) lacks an alternate exon in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is longer than isoform 1.