

Product datasheet for SC316859

RanBP16 (XPO7) (NM_001100161) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RanBP16 (XPO7) (NM_001100161) Human Untagged Clone
Tag:	Tag Free
Symbol:	XPO7
Synonyms:	EXP7; RANBP16
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001100161, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGATCATGTGCAGAGCCTGGCCCACTAGAGAATCTGTGCAAACAGCTGTATGAA
ACCACAGACACAACCACTCGACTCCAGGCAGAGAAAGCCTTGGTTGAATTTACCAACAGC
CCTGATTGCCTGAGCAAGTGCCAGCTACTCCTCGAAAGAGGAAGTTCTCTTACTCCCAG
TTACTGGCAGCTACATGCCTTACCAAGCTTGTATCACGCACAAACAACCCCTACCATTG
GAACAGCGAATAGATATTCGGAATATGTGCTCAACTACCTTGCCACTCGGCCGAAGTTG
GCTACTTTTCGTGACACAAGCACTTATTCAGTTATATGCCAGAATCACAAAACCTGGGCTGG
TTTGACTGTCAGAAGGATGACTATGTCTTCAGAAATGCAATCACAGACGTCACAAGTTT
TTACAGGATAGTGTGAATACTGCATCATTGGTGTCAAAATTTATCTCAGCTAACCAAT
GAAATTAATCAAGTAAGTGTACAGCCTTCCTCATTGAAGCAGACACCACCCATCCTTTA
ACCAAGCACAGAAAAATAGCCTCTTCTTTTCGCGATTTCATCATTATTTGATATCTTCACA
CTTTCTGCAATTTACTAAAACAGGCTTCAGGAAAGAATCTAAACTTGAATGATGAAAGT
CAGCATGGCTTGCTCATGCAACTGCTCAAGCTCACTCATAACTGCCTCAACTTTGACTTC
ATCGGCACTTCCACTGATGAGTCTCAGACGACCTGTGTACAGTGCAGATTCCCACCAGC
TGGAGATCAGCCTTCTTAGATTCTCAACCTTGCAGCTGTTTTTTGACCTGTATCATTCC
ATCCCTCCTTCATTTTCACCTCTGGTATTATCCTGCTTGGTACAGATCGCTTCAGTCAGA
AGATCCCTGTTTAAACAATGCAGAGAGGGCCAAGTTTCTCTCATCTTGTGATGGTGT
AAACGAATACTGAAAACCCACAGAGTTTATCAGACCCAAACAATTACCATGAGTTTTGC
AGACTACTGGCCCGATTGAAGAGTAACTATCAACTGGGAGAATTGGTAAAGGTGGAAAAC
TACCCTGAGGTCATCCGATTGATAGCCAACTTCACAGTGACCAGCCTACAGCACTGGGAA
TTTGCTCCAAATAGTGTGCACTATCTTCTGAGCCTGTGGCAGCGGCTGGCAGCCTCTGTG
CCGTATGTCAAAGCCACAGAGCCCCACATGCTGGAACTTACACTCCTGAGGTCACCAA
GCCTACATCACATCCCGTTGGAATCTGTGCACATCATACTGAGAGATGGCCTGGAAGAT
CCCCTGGAGGATACGGGGCTGGTCCAGCAGCAGTTGGACCAGCTGTCCACCATTGGGCGT
TGTGAATATGAGAAGACGTGTGCACTCCTCGTGCAGTTGTTTGACCAGTCGGCCAGTCG
TACCAGGAGCTGTACAGAGCGCCAGCGCAAGCCAATGGACATTGCAGTGCAGGAGGGA
AGGCTGACATGGCTGGTTTACATTATTGGAGCAGTGATCGGTGGCCGGGTTTCTTTTGGC
AGCACTGATGAGCAAGACGCCATGGATGGTGGCTTGTCTGTGCGGTGCTCCAGCTGATG
AACCTAACAGATTCTCGTTTGGCCAGGCGGGTAAATGAGAAGCTAGAGTTGGCCATGCTG
AGCTTTTTTGAACAGTTTCGTAAGATCTACATTGGGGACCAAGTGCAGAAATCCTCTAAG

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CTGTACCGCCGACTCTCAGAAGTTCTGGGCTTGAATGATGAGACCATGGTCCTAAGCGTC
TTCATAGGAAAAATCATCACCAACTTGAAGTACTGGGGCCGTTGTGAACCAATCACCTCC
AAGACTACTACAGTTCTCAATGACCTGTCCATTGGGTACAGTAGCGTAAGGAAGCTAGTG
AAGCTTAGTGCGGTACAGTTCATGCTGAACAATCACACGAGCGAGCACTTTTCATTTTG
GGTATTAACAATCAGTCCAACCTGACAGACATGCGGTGTCGGACTACCTTCTACACAGCA
CTTGGGCGTCTCCTCATGGTGGATTTAGGAGAGGATGAAGATCAGTATGAGCAGTTTCATG
CTGCCACTCACAGCAGCATTTGAGGCTGTGGCCAGATGTTTAGCACCAATAGTTTCAAC
GAGCAGGAGGCCAAGCGAACTCTAGTTGGCCTAGTAAGAGACCTGAGAGGGATCGCTTTC
GCTTTCAATGCCAAGACCAGCTTCATGATGCTCTTTGAATGGATATATCCATCCTATATG
CCAATTCTCCAACGGGCAATTGAGCTCTGGTACCATGATCCAGCCTGACTACACCTGTA
CTCAAGTTGATGGCTGAATTGGTTCATAATAGGTCCCAGCGACTCCAGTTTGATGTCTCT
TCCCCAATGGCATCTTACTCTCCGAGAAACCAGCAAGATGATAACAATGTATGGCAAT
CGCATCCTGACACTAGGAGAGGTCCAAAGGATCAGGTCTATGCTCTGAAGCTCAAGGGC
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GTCTTTGCTCTCTATGGAGACGATGCCCTGGACAATGCTCTGCAGACCTTCATCAAGCTG
CTCCTCTATTCTCACAGTGATCTCTGGATTACCCCAAGCTCAGCCAGTCTTATTAT
TCACTACTGGAAGTCTGACCCAGGACCATATGAACTTTATTGCAAGCCTGGAACCTCAC
GTCATCATGTATATTCTCTCTCCATTTCTGAAGGACTTACTGCACCTTGACACCATGGTA
TGCACAGGCTGCTGCTCTGCCTGGACCACATTGTGACATACCTCTTCAAGCAGCTGTCA
CGTAGCACCAAGAAGAGGACCACACCCCTGAACCAGGAGAGCGACCGCTTTCTGCACATC
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TTTGAAGACTGTAGGAACCAGTGGTCTATGTCCCGACCACTACTGGCTTGATATTGCTT
AATGAAAAGTATTTTTCTGACCTAAGAAACAGTATTGTGAACAGCCAGCCACCGGAGAAG
CAGCAGGCCATGCACCTGTGTTTTGAGAACCTGATGGAAGGCATCGAGCGAAATCTTCTT
ACGAAAAACAGAGACAGTTTACCCAGAACCTGTGAGCATTCCGTCGAGAAGTCAACGAC
TCAATGAAGAATTCCACTTATGGCGTGAATAGCAATGACATGATGAGC

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- Restriction Sites:** Please inquire
- ACCN:** NM_001100161
- 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_001100161.1](#), [NP_001093631.1](#)

RefSeq Size: 4907 bp

RefSeq ORF: 3291 bp

Locus ID: 23039

Cytogenetics: 8p21.3

Protein Families: Druggable Genome

Gene Summary: The transport of protein and large RNAs through the nuclear pore complexes (NPC) is an energy-dependent and regulated process. The import of proteins with a nuclear localization signal (NLS) is accomplished by recognition of one or more clusters of basic amino acids by the importin-alpha/beta complex; see MIM 600685 and MIM 602738. The small GTPase RAN (MIM 601179) plays a key role in NLS-dependent protein import. RAN-binding protein-16 is a member of the importin-beta superfamily of nuclear transport receptors.[supplied by OMIM, Jul 2002]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).