

## Product datasheet for **SC127399**

### Exportin 5 (XPO5) (NM\_020750) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Exportin 5 (XPO5) (NM_020750) Human Untagged Clone
Tag:	Tag Free
Symbol:	Exportin 5
Synonyms:	exp5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020750, the custom clone sequence may differ by one or more nucleotides

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ATGGCGATGGATCAAGTAAACGCGCTGTGCGAGCAGCTGGTAAAAGCGGTGACGGTCATGATGGACCCCA
ACTCCACCCAGCGCTACCGGCTGGAAGCCCTCAAGTTTTGTGAGGAGTTTAAAGAAAAGTGCCTATCTG
TGTCCCTGTGGCTTGAGGTTGGCTGAGAAAACACAAGTTGCCATCGTCAGACATTTTGGCCTTCAGATC
CTGGAACACGTTGTCAAGTTTCGGTGAACGGCATGTCTCGATTGGAGAAGGTGTATCTGAAGAACAGTG
TCATGGAGCTGATTGCAATGGAACATTGAACATTTTGAAGAGGAGAACCATATTAAGATGCTCTGTC
TCGAATTGTAGTGAAAATGATCAAGCGAGAGTGGCCACAGCATTGGCCTGACATGCTAATAGAATTGGAC
ACTCTTCCAAACAAGGGGAAACACAGACAGAATTGGTGTGTTTATCCTTTTGGACTGGCAGAGGATG
TAGTGACTTTTTCAGACACTTCCCCTCAAAGAAGAAGGGACATCCAGCAAACATTAACCCAGAACATGGA
AAGGATCTTCAGTTTTCTGCTTAACACACTTCAAGAAAATGTAACAAGTATCAGCAAGTGAAGACAGAT
ACTTCTCAGGAGTCAAAGGCGCAAGCAAACCTGTCGAGTAGGAGTTGCAGCACTGAATACTCTAGCAGGCT
ATATTGACTGGGTGTCTATGAGTCACATCACTGCTGAAAACCTGTAACCTCCTGGAGATACTGTGTTTGT
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TTGGAAGACCGGAAGCCCTTGATGGTCTATTTGGAGATGTTGCCATGCATTATACTCTCCGCCGCAC
AGACTGCTGATGGAGGAGTTTGGTAGAAAACACTACGCTTTTCTGAAGAGGCTCTGTCAGGTGTTGTG
TGCGCTGGGCAATCAGCTGTGTGCATTGCTGGTGCAGATTCTGATGTAGAAACACCATCAAACCTTTGGA
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CTTGGGGAGCCCTCTTCAGGCATGAAATCCTGTCCCGTATCCTTTGCTATTAGCAATAATACAAAATA
TCTTCGTGCTTCCATGACTAACTTGGTCAAGATGGGCTTTCCTTCTAAAACAGACAGCCCTAGCTGTGAA
TATTCTCGTTTTGATTTGATAGCGATGAGGACTTCAATGCTTTCTTCAACTCCTCCCGAGCACAACAAG
GAGAGGTGATGAGGTTGGCATGTCGTTTGGATCCAAAACCTAGCTTCCAGATGGCTGGGGAGTGGCTAAA
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AGCCTCTGTTCCGTCTTCTCACCTTCATTCGTGCAGTGGGAAGCCATGACTCTTTTTTGGAAAGTGTTA
TCACCCAGATGTTTGAACACTAAATAGAGAAGAAATCTGTTAATGATGGAATAGAGCTATTGCAGAT

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GGTTCTGAACTTTGATACCAAGGATCCCCCTCATCTGTCTGCGTCCTTACTAATGTCTCTGCACTCTTT
CCATTTGTACCTACAGACCAGAGTTTCTGCCCCAGGTCTTCTAAGCTATTTTCATCTGTCACTTTTG
AAACTGTTGAAGAAAGTAAGGCCCCAGAACCCGGGCAGTGAGGAATGTGAGGAGGCATGCTTGTTCCTC
CATCATCAAGATGTGTCGTGACTACCCCCAGCTTGTGTGCCAATTTTGACATGCTTTATAACCATGTG
AAGCAACTCCTCTCCAATGAGCTACTCCTGACACAAATGGAGAAGTGCCCTCATGGAAGCCCTGGTTC
TCATTAGCAACCAATTTAAGAACTACGAGCGTCAGAAGGTGTTCCTAGAGGAGCTGATGGCACCAGTGGC
CAGCATCTGGCTTTCTCAAGACATGCACAGAGTCTGTGATGTTGATGCTTTTCATTGCGTATGTGGT
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ACTCAGACCCATGCTTCGTGCTTTGTAAAGCCTCTGGTCTCTTCTGTCCCCCAGAGCACTATGAAGCC
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TCAACCAAAGGAGCCTGTGTGGAGAAGATGAGGCTGCAGATGAAAACCCAGAGTCTCAAGAGATGCT
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CCCCCTCAGCTATGGCAGAGCTTACAGACCTGGGCAATGTCTGATGAAGCATGAGGATGTTTGTACAGC
GCTATTAATTACAGCCTCAATTCCTGGCCTGGAAAGATACTCTGTCTGCCAGAGGACAACTCACAG
CTCTGCTGGCCTCTCTCAAACAAGTGTGTGAGGACACTGCTGCAGATGCAGTTACGTGGCTTTTCA
CCAGTGTGCTGAAAGGCTTACAGATGCACGGGCAGCAGCAGGGTGCATGGCTTCCCTGGTCCATCTGGC
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ATACAGAAGGACTCACTGGACAGTTTGTGACTGCAAGCTTTTAAACCCCTCCCTGCAGAAAGTGGCTGACA
AGCGCCGAAAGGACCAATTCAAACGCCTCATTGCTGGTTGCATTGGGAAACCCCTGGGAGAGCAGTCCG
AAAAGAAGTTCACATTAAGAATCTTCCCTCACTTTTCAAAAAACAAAGCCAATGCTGGAGACGGAGGTG
CTGGACAATGATGGGGTGGCCTGGCCACCATCTTTGAACCTGA
    
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**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_020750 unedited
ACAACCCGCTTACTATAGGGCGGCCGGAATTCGGCACGAGGGTGGCGCTAGGCATGGCG
ATGGATCAAGTAAACGCGCTGTGCGAGCAGCTGGTGAAGCGGTGACGGTCATGATGGAC
CCCAACTCACCAGCGCTACCGGCTGGAAGCCCTCAAGTTTTGTGAGGAGTTTAAAGAA
AAGCGCCTATCTGTGCCCTGTGGCTTGAGGCTGCCTGACCACCCCCCCCCGCTCG
TCAGACTTCGGCCCCCCCCCCCCGCCCCCCCCCCCCGCCCCCCCCCTCCCCCCCC
CCCCCCCCCTCCCCCCCCCTCCTTTCTCATTCTCTCTCCCCCCCCACCCCCC
CCCCCCCCCCCCCCCCCTCTCCCTCCCTCCCCCCCCCTCTTCTCCATCCCTCCC
CCTCCCCCCCCCTCTTCTCCCCCTCTCCACACCTTCCCCCCCCCTCCCTCTCCCT
TCTTCCCTTCTCTCCCTCCCCCTCCCCCCCCCTCCCCCTCCCTCCCCACCCCCCTC
CTCCCTCCCCCTCTCCCCACCCCCCTCCACTTTTCTCCTCCACTCCCCCCCCGCG
CCCCCTCCCTCCCTCCCCCCCCCCCCCTCTCCCCACTCTCCCTTTTTTTTCCC
CTCCCTCCCCACTTCCCCATCCCCCGCCCCCAACCCCCCCCCCTCCCTCTCCCCC
CCCCCCCCCTACCCCCCTCCCCCTCTCTCCCTCCCCCCCCCTATCCATCTCACTTC
CTCCCCGCTTGGCCTCCCTTCTCCCCCCCCCCCCCTCCCCCTCCCCCTCCCCCT
CCCTCCCTCCCTCTCCCCCAACCCCCCTACCTCCTCATTCTCGTCCCCCTTTTCT
CTTCATATCCCTCATCCCTCCCCCGTCCCCCTCCAGCATCTCCCTCCTCC
    
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<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_020750 unedited            TTTTTTAGCTCTGNACCGCGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTT            AAGGATGCCCAAAAGCTTGATTCAGGGTTCAAAGAGGTGGCCAGGCCACCCCATCATTG            TCCAGCACCTCCGTCTCCAGCATTGGCTTTGTTTTTTGAAAAGTGAGGGAAGATTCTTA            ATGTGAACTTCTTTTCGGAAGTCTCTCCAAGGGTTCCCAATGCAACCAGCAATGAGG            CGTTTGAATTGGTCTTTTCGGCGCTTGTCCAGCCACTTTCTGCAGGGAGGGGTTAAAAGC            TTGCAGTCAAACCTGGTCCAGCGAGTCTCTGTATTTCAGGGATTGCTCCATTACAGCT            CTTATTTCCAGGCACCTGGGGCGCAGTGCCTCGTATATTTGGAAGGCCAGATGGACCAGG            GAAGCCATGCACCCGTCGCGCTGCCCGTGCATCTGTACGCCTTTCAGCACACTGGCGAAA            AGCCACCCACATGTATCTGCGACCAGTGTCCCTGACAGCACTCTGTTGACGAGAGGCCCG            CAAAGCTGTGAGGTTGTCCCTCTGGCAGGACCGAGTATCCTTTCCACCCAGGGAATTGA            ATGCTGCCCTAAAAGCCGCTGTACACACCCCTTATGCTTCATCCGACATTCCCCCACC            GCTCGTAAGCTCTGACCTCAGCTGAGGGGGGACCTCTGTGGCCCTATTTTTTTCTTGCC            CCCCTCATGTCCGGCCAGCCCTAATGCGGGTGTACCCTTCTTTGAAACACCACCCCTCC            TGATCAGGCCCTAACTTTCCGGGTTACCTTCTTACAATCGGTCTTACCCCTTTTGA            AATCCGGCTTTTCATTGGAAGCCCTCTCTCTCCAAAAACAGCCCTTGGTTCGATACCT            GCCATTT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_020750
<b>Insert Size:</b>	3780 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_020750.1</a> , <a href="#">NP_065801.1</a>
<b>RefSeq Size:</b>	5378 bp

RefSeq ORF: 3615 bp

Locus ID: 57510

UniProt ID: [Q9HAV4](#)

Cytogenetics: 6p21.1

Protein Families: Druggable Genome

**Gene Summary:** This gene encodes a member of the karyopherin family that is required for the transport of small RNAs and double-stranded RNA-binding proteins from the nucleus to the cytoplasm. The encoded protein translocates cargo through the nuclear pore complex in a RanGTP-dependent process. [provided by RefSeq, Aug 2011]  
Transcript Variant: This variant (1) represents the protein-coding transcript.