XPO6 cDNA Clone – Exportin 6 (Human)

PRODUCT OVERVIEW

Product Name	XPO6, cDNA Clone
Full Product Name	XPO6 cDNA Clone
Product Gene Name	XPO6 cdna clone
Sequence	atggcatctg aagaagcctc tctcagggca ttggaaagtc tgatgacaga atttttttcac gattgtacaa ccaatgaaag aaaacgtgag atagaggagc ttcttaataa ctttgcccag caaataggag cctggagatt ctgcctgtac tttctctcca gcactaggaa tgactatgta atgatgtaca gtttaacagt ttttgagaat ctgatcaata aaatgtggct tggggtccca tctcaggata agatggaaat ccgtagctgt ctgcccaaac tccttttggc tcaccataaa accttacctt actttatccg gaacaagctc tgcaaagtta ttgttgatat tggacgtcag gattggccca tgttctacca cgacttttt actaacattt tacagttgat ccagtcccct gtgacaaccc cccttgggct gatcatgttg aagacaactt cagaagagct ggcttgtccc cgtgaggacc tcagtgtggc tcggaaggag gagttgcgga agctgctact ggaccaggtg cagacagtgc ttgggctact gacaggtatc ttggagactg tctgggacaa acacagtgtt actgctgcca ctccaccacc atccccgacc tcaggagaaa gtggtgactt actgagtaac ctgttgcaga gtcccagttc agccaaactg ttgaatcagc caattcccat ccttgatgtg gagagtgagt atatctgttc cctggctttg gagtgcctgg cccatctctt cagttggatt cctctgtctg ccagcatcac cccatccctc cttaccacca tcttccactt tgcacgattt ggctgtgaca tccgggccag aaagatggcg tcagttaacg gcagcagcca gaactgtgtc tcgggtcagg agcgcggccg gctgggggtc ctggccatgt cctgcatcaa tgaactcatg tccaagaact gtgtgcctat ggaatttgag gagtatttac tgcgtatgtt ccagcagact ttctacctcc tgcagaaaat caccaaggat aacaatgccc acacagtgaa gagcaggcta gaagagctcg atgagagcta tatcgagaag tttactgact ttcttcggct ctttgtgagt gttcacctaa gaagaatcga gtcttattcc cagttccctg tggtggagtt tttgacactt ttgttcaagt acacatttca tcagcctact catgaaggtt acttctcttg tttggatatc tggacgctgt ttttggacta tctgacaagt aaaattaaaa gtcgtcttgg agacaaggaa gcagttctca acaggtacga agatgccctg gtgctcctgc tcacagaggt gttgaatcga atccagttca gatacaacca agcccagctg gaggagttgg atgatgagac tctggatgac gatcagcaga cggagtggca gcggtactta cggcagagct tggaggtggt ggccaaagtg atggagctcc tgcccacgca cgccttctcc acactgttcc ctgttcttca ggacaattta gaagtttatt tgggattaca acagtttata gtcacttcag ggtcaggaca caggttgaac atcacggcgg agaacgactg ccggcggctg cactgctccc tgagagactt gagctccctg ctgcaggccg tgggccgcct ggccgagtac tttatcgggg atgtgtttgc tgcacggttc aatgatgccc tcacagtcgt ggaaaggttg gtcaaagtca ctctgtacgg atctcagata aaattgtaca acattgaaac tgctgtgcca tcagtattga aacctgacct cattgatgtg catgctcagt ccctggctgc gctgcaggct tactctcact ggttagcaca gtattgcagt gaagttcacc ggcagaacac gcagcagttc gtgacactca tctctactac catggatgca atcacacctc taatcagcac caaggtccaa gacaagctgc tgctatctgc gtgccactta ctggtctcac tggccaccac cgtgcggccc gtctttctga tcagcatccc tgcagtgcag aaagtattca acagaatcac tgatgcctct gccctgcgac ttgtcgataa ggcccaggtg ttggtgtgcc gagccctctc taacatcttg ctgcttccgt ggccaaacct tccagagaat gagcagcagt ggcccgtgcg ctccatcaac catgccagcc tcatctctgc actctcccgg gactatcgca acctgaagcc cagtgctgtt gccccacaga gaaagatgcc actggatgac accaaactga ttatccacca gacactcagc gtcttagaag atattgtgga gaatatctcg ggggagtcca ccaagtctcg acagatttgc taccagtcgc tgcaggaatc tgttcaggtc tccctggccc tctttccagc ttttatccat cagtcagatg tgactgatga gatgctgagc ttcttcctca ctctgtttcg aggccttaga gtacagatgg gtgtgccttt cactgagcaa atcatacaga ctttcctcaa catgtttacc agagagcagt tagccgagag catcctccac gagggcagca caggctgccg ggtggtggag aagtttctga agatcctgca ggtggtggtc caggagccag gccaggtgtt caagcccttc ctccccagca tcatcgccct gtgcatggag caagtgtatc ccatcattgc cgagcgtccc tcccctgatg tgaaggccga gctgtttgag ctccttttcc ggacgctcca tcacaactgg aggtacttct tcaagtccac cgtgctggcc agtgtccaga gggggatcgc tgaggagcag atggagaatg agccccagtt cagtgccatc atgcaggctt tcggacagtc ctttctccag cccgacatcc acctttttaa acaaaatctc ttctacttgg agactctcaa caccaagcag aagctgtacc acaagaagat cttccggact gccatgctgt tccagtttgt gaacgtgctg ctccaggtcc tggtccacaa gtcccatgat cttctgcagg aggagattgg catcgccatc tacaacatgg cctcagtcga ctttgatggc ttctttgccg ccttcctccc agagttcctg accagctgtg atggtgtgga tgccaaccag aaaagtgtgc tggggcggaa tttcaagatg gatcgggacc tgccctcatt cacccagaat gtgcacaggc tggtcaacga cctgcgctac tacagactct gcaacgacag cctgcccccc ggcactgtga agctctag
Molecular Weight	127,394 Da
OMIM	608411
Vector	Please Inquire
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for XPO6 cdna clone	MBS1279004 is a cDNA clone targeting XPO6.
Other Notes	Small volumes of XPO6 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for XPO6. It may not necessarily be applicable to this product.

NCBI GI #	120659805
NCBI GeneID	23214
NCBI Accession #	BC130304
UniProt Secondary Accession #	Q2YDX3; Q53G88; Q68G50; Q76N88; Q96CP8; Q9BT21; A1L3W4; D3DWF9
UniProt Related Accession #	Q96QU8
NCBI Official Full Name	Homo sapiens exportin 6, mRNA
NCBI Official Synonym Full Names	exportin 6
NCBI Official Symbol	XPO6
NCBI Official Synonym Symbols	EXP6; RANBP20
UniProt Protein Name	Exportin-6
UniProt Synonym Protein Names	Ran-binding protein 20
Protein Family	Exportin
UniProt Gene Name	XPO6
UniProt Synonym Gene Names	KIAA0370; RANBP20; Exp6
UniProt Entry Name	XPO6_HUMAN
NCBI Protein Information	exportin-6
NCBI Summary for XPO6	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]
UniProt Comments for XPO6	Exportin-6: a protein of the exportin family. Exportins recruit cargo from the nucleoplasm in the presence of RAN-GTP and form ternary export complexes. These complexes are transported through nuclear pore complexes to the cytoplasm, where GTP is hydrolyzed and the export complex is disassembled. Exportin 6 mediates nuclear export of profilin-actin complexes. Protein type: Nuclear export; Karyopherin; Nuclear import Chromosomal Location of Human Ortholog: 16p11.2 Cellular Component: cytoplasm; nucleolus; nucleus; plasma membrane Molecular Function: protein binding; protein transporter activity Biological Process: protein export from nucleus
Research Articles on XPO6	**1.** Data suggest actin accumulation in senescent cells is due to the failure of RanGTP restoration with ATP deficiency and NTF2 accumulation, resulting in decreased actin export via Exp6 inactivation.
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