

## Product datasheet for TP520257

### Xpo4 (NM\_020506) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse exportin 4 (Xpo4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR220257 representing NM_020506 Red=Cloning site Green=Tags(s)

MMAAALGPPEVIAQLENAAKVLMAPPSMVSNEQRQHAEHIFLSFRKSKSPFAVCRHILETSKVDYVLFQA  
ATAIMEAVVREWVLEKGSIESLRTFLLTYVLQRPNLQKYVREQILLAVAVIVKRGSLDKSIDCKSIFHE  
VSQLISSGNPTVQTLACSILTALLSEFSSSSKTSNIGLSMEFHGNCKRVFQEEDLRQIFMLTVGVLQEFES  
RRENLSAQMSSVFQRYLALANQVLSWNFLPPNLGRHYIAMFESSQNVLLKPTESWREALDLSRVMEFFT  
VHRKIRESDDMAQDSLQCLAQLASLHGPIFPDEGSQVDYLAHFIEGLLNTINGIEIEDSEAVGISSIIISN  
LITVFPNVLTAIPSELFSSFNCLTHLTCSEFGRSAALEEVLDKDDMVYMEAYDKLLESWLT LVRDDKHF  
HKGFFTQHAVQVFNSYIQCHLAAPDGTRNL TANGVASREEEIESELQEDDRDQFSDQLASVGM LGRIAAE  
HCMPLLSLLEERVTRLHGQLQRHQQQFLASPGSSTIDNKMLDDLYEDIHWLILVTGYLLADDTQGETPL  
IPPEIMEYSIKHSSEVDINTTLQILGSPGEKASSIPGYSRTDSVIRLLSAVLRVSEVESRAIRADLTHLL  
SPQMKGKDIVWFLKRWAKTYLLVDEKLYDQISLPLSTAFGADTEGSQWIIGYLLQKVISNLSVWSSEQDLA  
NDTVQLLVTLVERRERANLVIQCENWWNLAKQFASRSPPLNFLSSPVQRTLMKALVLGGFAHMDTETKQQ  
YWTEVLQPLQQRFLRVINQENFQQMCQQEEVKQEITATLEALCGIAEATQIDNVAILFNFLMDFLNNCIG  
LMEVYKNTPETVNLIIIEVFVEVAHKQICYLGESKAMHLYEACLTLLQVYSKNNLGRQRIDVTAEEEQYQD  
LLLIMELLTNLLSKEFIDFSDTDEVFRGHEPGQAAGRSVSAADVLYGVNLILPLMSQDLLKFPTLCNQY  
YKLITFICEIFPEKIPQLPEDLFKSLMYSLELGMTSMSSEVCQLCLEALTPLAEQCAKAQETDSPLFLAT  
RHFLKLVFDMLVLQKHNTMTTAAGEAFYTLVCLHQAEYSELVETLLSSQQDPVIYQRLADAFNKL TASS  
TPPALDRKQKMAFLKSLEEFMANVGGLLCVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	130 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_065252</a>
<b>Locus ID:</b>	57258
<b>UniProt ID:</b>	<a href="#">Q9ESJ0</a> , <a href="#">A0A0R4J254</a>
<b>RefSeq Size:</b>	3456
<b>Cytogenetics:</b>	14 C3
<b>RefSeq ORF:</b>	3453
<b>Synonyms:</b>	B430309A01Rik; mKIAA1721
<b>Summary:</b>	Mediates the nuclear export of proteins (cargos) with broad substrate specificity. In the nucleus binds cooperatively to its cargo and to the GTPase Ran in its active GTP-bound form. Docking of this trimeric complex to the nuclear pore complex (NPC) is mediated through binding to nucleoporins. Upon transit of a nuclear export complex into the cytoplasm, disassembling of the complex and hydrolysis of Ran-GTP to Ran-GDP (induced by RANBP1 and RANGAP1, respectively) cause release of the cargo from the export receptor. XPO4 then return to the nuclear compartment and mediate another round of transport. The directionality of nuclear export is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus (By similarity).[UniProtKB/Swiss-Prot Function]