

Product datasheet for TP520703

Ipo4 (NM_024267) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse importin 4 (Ipo4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR220703 representing NM_024267 Red=Cloning site Green=Tags(s) MEPAGLEQILKELLPLDTERIRRATEQLQTILRDPALPALFDLLATATDSQIRQFAAVLTRRRLLNNRWR RLAPQRESLSLVLTALQKETVHSVSVSLAQLSATIFRKEGLQGWPQFMNLLQHSTHSSHPEKEVGLL LLSVVVSSQPEAFHAHQHELLQLLNETLSDVSFPGVLFYSLRTLTAIARYVRPDDVSLARMLVPKVVTAL RTLIPLDEVKACEALEALDEMLETELPIINPHLSEVLTFCLEVAKNVALGEPLRVRVLCCLTFLVKVKSK ALLKNRLVPPLLHALFPLMAAEPPMGQLDPEDQDSDDDLEIGLMGETPKHFAVQVVDMLALHLPPEKL C PHVMPMLEEALRSEDYPYQRKAGFLVLAVLSDGAGDHIRQRLLYPLLQIVCKGLDDPSQIVRNAALFALGQ FSENLQPHISSYSEEVMPLLLSYLKSVPMGNTHHLAKACYALENFVENLGPKVQPYLPELMECMLQPLKN PSKARTKELAVSAIGAIATAAQDSSLFPYFTIMDLLREFLLTGHEDFHLVQIQSLETGLVLARALGESMK PLAECCQLGLGLCIHDDPDVRRCTYSLFAALSGLMGEGLGPYLPQITTLMLLSLRSTEGIVPQYDGIS SFLFDDEEAEELMDEDMEEEGDDSEISGYSVENAFFDEKEDTCTALGEISMNTCVAFLPFMDATF DEVYKLECPHMNVKRSAYEALGFCCALHKASQRSSSDPSSSPVLQTSARVMPAYMQAVKVERERPVV MAVLESLTGVLRTCGSLALQPPGRLSELCNVLKAVLQKKTACQDAEEDDEDDDDQAEYDAMLEHAGEAI PVLAATAGGHAFAPFFATFLPLLCKTKQCTVAEKSFAVGTLAESIQGLGTASAQFVSRLFPVLLNNAR EADPEVRSNAIFGLGVLAEHGGCPAQDHFPKLLGLLPLLARERHDRVDRNICGALARVLMASPVGKTEP QVLATLLRALPLKEDMEEWLTIGHLFSFLHQQNNPEQVVDVASELLRICSLILPDNRIPDPDTKAALLLLLT FLAKQHTDSFHTALGSLPNDKAQELQAMMGLT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	119.3 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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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_077229
Locus ID:	75751
UniProt ID:	Q8VI75
RefSeq Size:	3611
Cytogenetics:	14 28.19 cM
RefSeq ORF:	3246
Synonyms:	8430408O15Rik; AA409693; Imp4a; RanBP4
Summary:	Functions in nuclear protein import as nuclear transport receptor. Serves as receptor for nuclear localization signals (NLS) in cargo substrates. Is thought to mediate docking of the importin/substrate complex to the nuclear pore complex (NPC) through binding to nucleoporin and the complex is subsequently translocated through the pore by an energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to the importin, the importin/substrate complex dissociates and importin is re-exported from the nucleus to the cytoplasm where GTP hydrolysis releases Ran. The directionality of nuclear import 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). Mediates the nuclear import of RPS3A. Acts as chaperone for exposed basic domains.[UniProtKB/Swiss-Prot Function]