

Product datasheet for **TP303926M**

KPNA6 (NM_012316) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human karyopherin alpha 6 (importin alpha 7) (KPNA6), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC203926 representing NM_012316

Red=Cloning site **Green**=Tags(s)

METMASPGKDNYSYKNNALNPEEMRRRREEEGIQLRKQKREQQLFKRRNVELINEEAAMFDSLLMDS
YVSSTTGESVITREMVEMLFSDSDLQLATTQKFRKLLSKEPSPIDEVINTPRVVDRLFVFLKRNENCT
LQFEAAWALTNIASGTSQQTIVIEAGAVPIFIELLNDFEDVQEAVWALGNIAGDSSVCRDYVLNCSI
LNPLLLTKSTRLTMRNAVWALSNLRCGKNPPPEFAKVSPCLPVLRSLLFSSDSDLLADACWALSYSL
DGPNEKIQAVIDSGVCRRLVELLMHNDYKVASPALRAVGNIVTGDDIQTQVILNCSALPCLLHLLSSPKE
SIRKEACWTISNITAGNRAQIQAVIDANIFPVLIEILQKAEFRTRKEAAWAITNATSGGTPEQIRYLVS
GCIKPLCDLLTVMDSKIVQVALNGLNLRGEGKRSVGNPYCGLIEEAYGLDKIEFLQSHENQEI
YQKAFDLIEHYFGVEDDDSSSLAPQVDETQQQFIFQQPEAPMEGFQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 59.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online >](#)

RefSeq: [NP_036448](#)

Locus ID: 23633

UniProt ID: [O60684](#)

RefSeq Size: 7373

Cytogenetics: 1p35.2

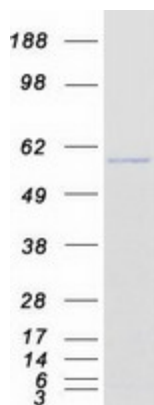
RefSeq ORF: 1608

Synonyms: IPOA7

Summary: Nucleocytoplasmic transport, a signal- and energy-dependent process, takes place through nuclear pore complexes embedded in the nuclear envelope. The import of proteins containing a nuclear localization signal (NLS) requires the NLS import receptor, a heterodimer of importin alpha and beta subunits also known as karyopherins. Importin alpha binds the NLS-containing cargo in the cytoplasm and importin beta docks the complex at the cytoplasmic side of the nuclear pore complex. In the presence of nucleoside triphosphates and the small GTP binding protein Ran, the complex moves into the nuclear pore complex and the importin subunits dissociate. Importin alpha enters the nucleoplasm with its passenger protein and importin beta remains at the pore. The protein encoded by this gene is a member of the importin alpha family. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified KPNA6 protein (Cat# [TP303926]). The protein was produced from HEK293T cells transfected with KPNA6 cDNA clone (Cat# [RC203926]) using MegaTran 2.0 (Cat# [TT210002]).