

Product datasheet for PH303926

KPNA6 (NM_012316) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KPNA6 MS Standard C13 and N15-labeled recombinant protein (NP_036448)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203926
Predicted MW:	59.8 kDa
Protein Sequence:	>RC203926 representing NM_012316 Red=Cloning site Green=Tags(s)

METMASPGKDNYRMKSYKNNALNPEEMRRRREEEGIQLRKQKREQQLFKRRNVELINEEAAMFDSLMLDS
YVSTTGESVITREMVEMLFSDSDLQLATTQKFRKLLSKEPSPIDEVINTPRVDRFVEFLKRNENCT
LQFEAAWALTNIASGTSQTKIVIEAGAVPIFIELLNSDFEDVQEAVWALGNIAGDSSVCRDYVNLNCISI
LNPLLTLTKSTRLTMTRNAVWALSNLCRGKNPPPEFAKVSPCLPVL S RLLFSSDSDLADACWALS YLS
DGPNEKIQAVIDSGVCRRLVELLMHNDYKVASPALRAVGNIVTGDDIQTQVILNCSALPCLLHLLSSPKE
SIRKEACWTISNITAGNRAQIQAVIDANIFPVLIEILQKAEFTRKEAAWAITNATSGGTPEQIRYL VSL
GCIKPLCDLLTVMDSKIVQVALNGLNLRLEGEQEGKRSGSGVNPYCGLIEEAYGLDKIEFLQSHENQEI
YQKAFDLIEHYFGVEDDDSSLAPQVDETQQQFIFQQPEAPMEGFQL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_036448</u>
RefSeq Size:	7373
RefSeq ORF:	1608



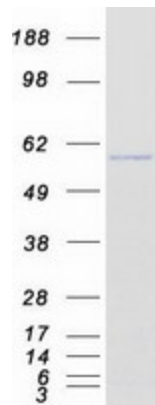
[View online »](#)

Synonyms: IPOA7
Locus ID: 23633
UniProt ID: [O60684](#)
Cytogenetics: 1p35.2

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]).