

Product datasheet for PH305448

KPNA4 (NM_002268) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KPNA4 MS Standard C13 and N15-labeled recombinant protein (NP_002259)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205448
Predicted MW:	57.9 kDa
Protein Sequence:	>RC205448 protein sequence Red=Cloning site Green=Tags(s)

MADNEKLDNQRLKNFKNKGRDLETMRQRNEVVVELRKNKRDEHLLKRRNVPHEIDCEDSDIDGDYRVQN
TSLEAIVQNASSDNQGIQLSAVQAARKLLSSDRNPPIDDLIKSGILPILVHCLERDDNPSLQFEAAWALT
NIASGTSEQTQAVVQSNVPLFLRLLHSPHQNVCEQAVWALGNIIGDGPQCRDYVISLGVVKPLLSFISP
SIPITFLRNVTWVMNLCRHKDPPPPMETIQEILPALCVLIHHTDVNILDVTVWALSYLTDAGNEQIQMV
IDSGIVPHLVPLLSHQEVKVTAAALRAVGNIVTGTDEQTQVVLNCDALSHFPALLTHPKEKINKEAVWFL
SNITAGNQVQVAVIDANLVPMIHLDDKGFQKQEAAWAISNLTISGRKDQVAYLIQQNVIPFCNLL
TVKDAQVVQVLDGLSNILKMAEAEETIGNLIEECGGLEKIEQLQNHENEDIYKLAYEIIDQFFSSDDI
DEDPSLVPEAIQGGTFGFNSSANVPTGEFQF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_002259</u>
RefSeq Size:	8981
RefSeq ORF:	1563



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Synonyms: IPOA3; QIP1; SRP3

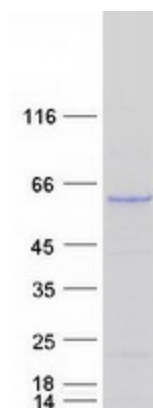
Locus ID: 3840

UniProt ID: [O00629](#)

Cytogenetics: 3q25.33

Summary: The nuclear import of karyophilic proteins is directed by short amino acid sequences termed nuclear localization signals (NLSs). Karyopherins, or importins, are cytoplasmic proteins that recognize NLSs and dock NLS-containing proteins to the nuclear pore complex. The protein encoded by this gene shares the sequence similarity with *Xenopus* importin-alpha and *Saccharomyces cerevisiae* Srp1. This protein is found to interact with the NLSs of DNA helicase Q1 and SV40 T antigen. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified KPNA4 protein (Cat# [TP305448]). The protein was produced from HEK293T cells transfected with KPNA4 cDNA clone (Cat# [RC205448]) using MegaTran 2.0 (Cat# [TT210002]).