

## Product datasheet for PH310333

### SRP1 (KPNA1) (NM\_002264) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	KPNA1 MS Standard C13 and N15-labeled recombinant protein (NP_002255)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210333
Predicted MW:	60 kDa
Protein Sequence:	>RC210333 representing NM_002264 Red=Cloning site Green=Tags(s)

MTTPGKENFRLKSYKNKSLNPDEMRRRREEEGLQRKQKREEQLFKRRNVATAEEETEEVMSDGGFHEA  
QINNMEMAPGGVITSDMIEMIFSKSPEQQLSATQKFRKLLSKEPNPPIDEVISTPGVVARFVEFLKRKEN  
CTLQFESAWLNTIASGNSLQTRIVIQAGAVPIFIELLSSEFEDVQEAVWALGNIAGDSTMYRDYVLDL  
NILPPLLQLFSKQNRLTMRNAVWALSNLCRGKSPPEFAKVSPCLNVLSWLLFVSDTDVLADACWALS  
LSDGPNDKIQAVIDAGVCRRLVELLMHNDYKVVSPALRAVGNIVTGDDIQTQVILNCSALQSLHLHLLSSP  
KESIKKEACWTISNITAGNRAQIQTVIDANIFPALISILQTAEFRTKAAAWAITNATSGGSAEQIKYLV  
ELGCIKPLCDLLVMDSKIVQVALNGLNLRGEGEAKRNGTGINPYCALIEEAYGLDKIEFLQSHENQ  
EIQKAFDLIEHYFGTEDEDESSIA PQVDLNQQYIFQQCEAPMEGFQL

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_002255</u>
RefSeq Size:	6887
RefSeq ORF:	1614



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**Synonyms:** IPOA5; NPI-1; RCH2; SRP1

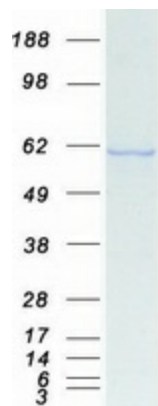
**Locus ID:** 3836

**UniProt ID:** [P52294](#)

**Cytogenetics:** 3q21.1

**Summary:** The transport of molecules between the nucleus and the cytoplasm in eukaryotic cells is mediated by the nuclear pore complex (NPC), which consists of 60-100 proteins. Small molecules (up to 70 kD) can pass through the nuclear pore by nonselective diffusion while larger molecules are transported by an active process. The protein encoded by this gene belongs to the importin alpha family, and is involved in nuclear protein import. This protein interacts with the recombination activating gene 1 (RAG1) protein and is a putative substrate of the RAG1 ubiquitin ligase. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]

### Product images:



Coomassie blue staining of purified KPNA1 protein (Cat# [TP310333]). The protein was produced from HEK293T cells transfected with KPNA1 cDNA clone (Cat# [RC210333]) using MegaTran 2.0 (Cat# [TT210002]).