

## Product datasheet for PH307314

### KPNA3 (NM\_002267) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	KPNA3 MS Standard C13 and N15-labeled recombinant protein (NP_002258)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207314
Predicted MW:	57.9 kDa
Protein Sequence:	>RC207314 protein sequence Red=Cloning site Green=Tags(s)

MAENPSLENHRIKSFKNKGRDVETMRRHRNEVTVELRKNKRDEHLLKKNRNPQEESELESDVDADFKAQN  
VTLEAILQNATSDNPVVQLSAVQAARKLLSSDRNPPIDDLIKSGILPILVKCLERDDNPSLQFEAAWALT  
NIASGTSAQTDIVQSNVPLFLRLLRSPHQNVCEQAVWALGNIIGDGPQCRDYVISLGVVKPLLSFISP  
SIPITFLRNVTWIVNLCRNKDPMPMETVQEILPALCVLIYHTDINILVDTVWALSYLTDGGNEQIQMV  
IDSGVVPFLVPLLSHQEVKVTAAALRAVGNIVTGTDEQTQVVLNCDVLSHFQNLLSHPKEKINKEAVWFL  
SNITAGNQQQVQVIDAGLIPMIHQKAGDFGTQKEAAWAINLTIISGRKDQVEYLQQDVIPPFENLL  
SVKDSQVVQVLDGLKNILIMAGDEASTIAEIIIECGGLEKIEVLQHENEDIYKLAFEIIDQYFSGDDI  
DEDPCLIPPEATQGGTYNFDPTANLQTKENF

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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_002258</u>
RefSeq Size:	4478
RefSeq ORF:	1563



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**Synonyms:** hSRP1; IPOA4; SRP1; SRP1gamma; SRP4

**Locus ID:** 3839

**UniProt ID:** [O00505](#), [A0A024RDV7](#)

**Cytogenetics:** 13q14.2

**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. [provided by RefSeq, Jan 2009]

### Product images:



Coomassie blue staining of purified KPNA3 protein (Cat# [TP307314]). The protein was produced from HEK293T cells transfected with KPNA3 cDNA clone (Cat# [RC207314]) using MegaTran 2.0 (Cat# [TT210002]).