

Product datasheet for **TP310333**

SRP1 (KPNA1) (NM_002264) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human karyopherin alpha 1 (importin alpha 5) (KPNA1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210333 representing NM_002264 Red =Cloning site Green =Tags(s)

MTTPGKENFRLKSYKNKSLNPDEMRRRREEEGLQLRKQKREEQLFKRRNVATAEEETEEVMSDGGFHEA
QINNMEMAPGGVITSDMIEMIFSKSPEQQLSATQKFRKLLSKEPNPPIDEVISTPGVWARFVFLKRKEN
CTLQFESAWVLNIAAGNSLQTRIMIQAGAVPIFIELLSSEFEDVQEAVWALGNIAAGDSTMYRDYVLDL
NILPPLLQLFSKQNRMTMTRNAWALSNLRCRGKSPPEFAKVSPCLNVLSWLLFVSDTDVLADACWALS
LSDGPNDKIQAVIDAGVCRRLVELLMHNDYKVVSPALRAVGNIVTGDDIQTQVILNCSALQSLHLLSSP
KESIKKEACWTISNITAGNRAQIQTVIDANIFPALISILQTAEFRTRKEAAWAITNATSGGSAEQIKYLV
ELGCIKPLCDLLTVMDSKIVQVALNLENLRLGQEAKRNGTGINPYCALIEEAYGLDKIEFLQSHENQ
EIYQKAFDLIEHYFGTEDEDSSIAQVVDLNQQQYIFQQCEAPMEGFQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

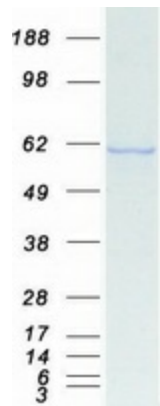
Tag:	C-Myc/DDK
Predicted MW:	60 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_002255</u>
Locus ID:	3836
UniProt ID:	<u>P52294</u>
RefSeq Size:	6887
Cytogenetics:	3q21.1
RefSeq ORF:	1614
Synonyms:	IPOA5; NPI-1; RCH2; SRP1
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]).