Recombinant Human IPO5 cell lysate

Cat. No. IPO5-1467HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	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. Interactions between importin beta and the FG repeats of nucleoporins are essential in translocation through the pore complex. The protein encoded by this gene is a member of the importin beta family.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	IPO5 importin 5 [Homo sapiens]
Official Symbol	IPO5
Synonyms	IPO5; importin 5; karyopherin (importin) beta 3 , KPNB3, RAN binding protein 5 , RANBP5; importin-5; IMB3; MGC2068; Pse1; karyopherin beta-3; RAN binding protein 5; ran-binding protein 5; importin beta-3 subunit; importin subunit beta-3; Ran_GTP binding protein 5; karyopherin (importin) beta 3; imp5; KPNB3; RANBP5; FLJ43041; DKFZp686O1576;
Gene ID	3843
mRNA Refseq	NM_002271
Protein Refseq	NP_002262
MIM	602008
UniProt ID	O00410
Chromosome Location	13q32.2
Pathway	Disease, organism-specific biosystem; Influenza Infection, organism-specific biosystem; Influenza Life Cycle, organism-specific biosystem; Influenza Viral RNA Transcription and Replication, organism-specific biosystem; vRNP Assembly, organism-specific biosystem;
Function	GTPase inhibitor activity; Ran GTPase binding; protein binding; protein transporter activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA