

Recombinant Mouse Ipo11 Protein, Myc/DDK-tagged

Cat. No. Ipo11-3564M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length importin 11 (Ipo11), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Functions in nuclear protein import as nuclear transport receptor. Serves as receptor for nuclear localization signals (NLS) in cargo substrates. Is thought to mediate docking of the importin/substrate complex to the nuclear pore complex (NPC) through binding to nucleoporin and the complex is subsequently translocated through the pore by an energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to the importin, the importin/substrate complex dissociates and importin is re-exported from the nucleus to the cytoplasm where GTP hydrolysis releases Ran. The directionality of nuclear import is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus. Mediates the nuclear import of RPL12, and of UBE2E3.
Molecular Mass	112.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	lpo11 importin 11 [Mus musculus (house mouse)]
Official Symbol	lpo11
Synonyms	IPO11; importin 11; importin-11; imp11; ran-binding protein 11; Ranbp11; AI314624; AW555235; 1700081H05Rik; 2510001A17Rik; E330021B14Rik
Gene ID	76582
mRNA Refseq	NM_029665
Protein Refseq	NP_083941
UniProt ID	Q8K2V6

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