

Recombinant Mouse Xpo4 Protein, Myc/DDK-tagged

Cat. No. Xpo4-7021M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse exportin 4 (Xpo4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Mediates the nuclear export of proteins (cargos) with broad substrate specificity. In the nucleus binds cooperatively to its cargo and to the GTPase Ran in its active GTP-bound form. Docking of this trimeric complex to the nuclear pore complex (NPC) is mediated through binding to nucleoporins. Upon transit of a nuclear export complex into the cytoplasm, disassembling of the complex and hydrolysis of Ran-GTP to Ran-GDP (induced by RANBP1 and RANGAP1, respectively) cause release of the cargo from the export receptor. XPO4 then return to the nuclear compartment and mediate another round of transport. The directionality of nuclear export is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus.
Molecular Mass	130 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	Xpo4 exportin 4 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Xpo4
Synonyms	Xpo4; exportin 4; mKIAA1721; B430309A01Rik; exportin-4; exp4
Gene ID	57258
mRNA Refseq	NM_020506
Protein Refseq	NP_065252
UniProt ID	Q9ESJ0

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