

Recombinant Human TNPO1

Cat. No. TNPO1-31605TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Transportin 1 with a N terminal proprietary tag: predicted molecular weight 38.50 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	117 amino acids
Description	This gene encodes the beta subunit of the karyopherin receptor complex which interacts with nuclear localization signals to target nuclear proteins to the nucleus. The karyopherin receptor complex is a heterodimer of an alpha subunit which recognizes the nuclear localization signal and a beta subunit which docks the complex at nucleoporins. Alternate splicing of this gene results in two transcript variants encoding different proteins.
Molecular Weight	38.500kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids PDDTIQRTVQQKLEQLNQYPDFNNYLIFVLTKLKSEDEPT RSLSGILILKNNVKAHFQN
FPNGVTDFIKSECLNIGDSSP LIRATVGILITTIASKGELQNWPDLLPKLCSLLDSED*

GENE INFORMATION

Gene Name TNPO1 transportin 1 [Homo sapiens]

Official Symbol TNPO1

Synonyms TNPO1; transportin 1; karyopherin (importin) beta 2 , KPNB2; transportin-1; importin 2; IPO2; MIP; MIP1; TRN;

Gene ID 3842

mRNA Refseq NM_002270

Protein Refseq NP_002261

MIM 602901

Uniprot ID Q92973

Chromosome Location 5q13.1

Pathway Destabilization of mRNA by Tristetraprolin (TTP), organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of RNA, organism-specific biosystem; Metabolism of mRNA, organism-specific biosystem; Regulation of mRNA Stability by Proteins that Bind AU-rich Elements, organism-specific biosystem;

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Function

nuclear localization sequence binding; protein binding; protein transporter activity;

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