

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	<p>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.</p>
Molecular Weight	38.500kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 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 RLSGLILKNNVKAHFQN
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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