

Recombinant Human IPO7 Protein, GST-tagged

Cat. No. IPO7-5076H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IPO7 partial ORF (NP_006382.1, 950 a.a. - 1038 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The importin-alpha/beta complex and the GTPase Ran mediate nuclear import of proteins with a classical nuclear localization signal. The protein encoded by this gene is a member of a class of approximately 20 potential Ran targets that share a sequence motif related to the Ran-binding site of importin-beta. Similar to importin-beta, this protein prevents the activation of Rans GTPase by RanGAP1 and inhibits nucleotide exchange on RanGTP, and also binds directly to nuclear pore complexes where it competes for binding sites with importin-beta and transportin. This protein has a Ran-dependent transport cycle and it can cross the nuclear envelope rapidly and in both directions. At least four importin beta-like transport receptors, namely importin beta itself, transportin, RanBP5 and RanBP7, directly bind and import ribosomal proteins. [provided by RefSeq
Molecular Mass	35.53 kDa
AA Sequence	DDEDNPVDEYQIFKAIFQTIQNRNPVWYQALTHGLNEEQRKQLQDIATLADQRRRAH ESKMIEKHGGYKFSAPVVPSSFNFGGPAPGMN
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

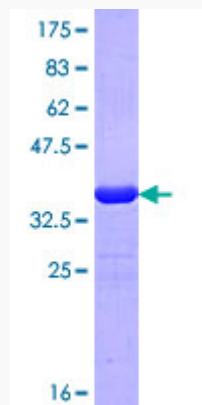
Gene Name	IPO7 importin 7 [Homo sapiens]
Official Symbol	IPO7
Synonyms	IPO7; importin 7; RAN binding protein 7 , RANBP7; importin-7; Imp7; RAN-binding protein 7; RANBP7; FLJ14581; MGC138673;
Gene ID	10527
mRNA Refseq	NM_006391
Protein Refseq	NP_006382
MIM	605586
UniProt ID	O95373

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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