

## Product datasheet for **RC215943L4V**

### Importin 7 (IPO7) (NM\_006391) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Importin 7 (IPO7) (NM_006391) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Importin 7
Synonyms:	Imp7; RANBP7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006391
ORF Size:	3114 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215943).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_006391.1</a>
RefSeq Size:	3557 bp
RefSeq ORF:	3117 bp
Locus ID:	10527
UniProt ID:	<a href="#">O95373</a>
Cytogenetics:	11p15.4
Domains:	IBN_NT
Protein Families:	Druggable Genome



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**MW:** 119.3 kDa

**Gene Summary:** 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 Ran's 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, Jul 2008]