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Product datasheet for RC220742L1V

IBP160 (AQR) (NM_014691) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	IBP160 (AQR) (NM_014691) Human Tagged ORF Clone Lentiviral Particle
Symbol:	IBP160
Synonyms:	fSAP164; IBP160
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_014691
ORF Size:	4455 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220742).
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. More info
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:	NM_014691.2, NP_055506.1
RefSeq Size:	5106 bp
RefSeq ORF:	4458 bp
Locus ID:	9716
UniProt ID:	O60306
Cytogenetics:	15q14
Protein Pathways:	Spliceosome
MW:	171.3 kDa

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Gene Summary: Involved in pre-mRNA splicing as component of the spliceosome (PubMed:11991638, PubMed:25599396, PubMed:28502770, PubMed:28076346). Intron-binding spliceosomal protein required to link pre-mRNA splicing and snoRNP (small nucleolar ribonucleoprotein) biogenesis (PubMed:16949364). Plays a key role in position-dependent assembly of intron-encoded box C/D small snoRNP, splicing being required for snoRNP assembly (PubMed:16949364). May act by helping the folding of the snoRNA sequence. Binds to intron of pre-mRNAs in a sequence-independent manner, contacting the region between snoRNA and the branchpoint of introns (40 nucleotides upstream of the branchpoint) during the late stages of splicing (PubMed:16949364). Has ATP-dependent RNA helicase activity and can unwind double-stranded RNA molecules with a 3' overhang (in vitro) (PubMed:25599396). [UniProtKB/Swiss-Prot Function]