Product datasheet for RC203623L2V

XRCC6BP1 (ATP23) (NM_033276) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	XRCC6BP1 (ATP23) (NM_033276) Human Tagged ORF Clone Lentiviral Particle
Symbol:	XRCC6BP1
Synonyms:	KUB3; XRCC6BP1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_033276
ORF Size:	738 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203623).
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_033276.2
RefSeq Size:	1182 bp
RefSeq ORF:	741 bp
Locus ID:	91419
UniProt ID:	Q9Y6H3
Cytogenetics:	12q14.1
MW:	28.1 kDa

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Gene Summary: The protein encoded by this gene is amplified in glioblastomas and interacts with the DNA binding subunit of DNA-dependent protein kinase. This kinase is involved in double-strand break repair (DSB), and higher expression of the encoded protein increases the efficiency of DSB. In addition, comparison to orthologous proteins strongly suggests that this protein is a metalloprotease important in the biosynthesis of mitochondrial ATPase. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016]