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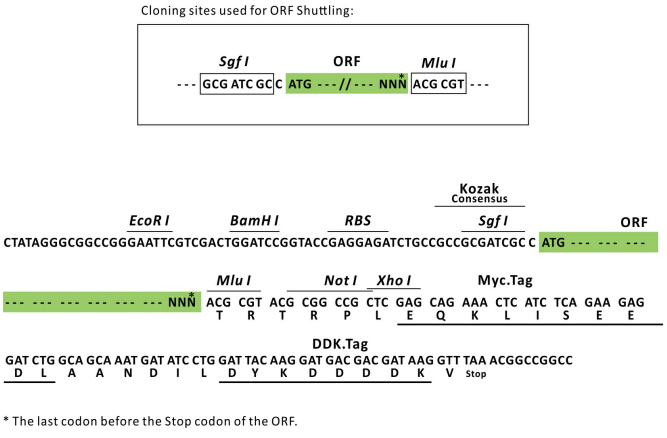
Product datasheet for RC203623L1

XRCC6BP1 (ATP23) (NM_033276) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XRCC6BP1 (ATP23) (NM_033276) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	XRCC6BP1
Synonyms:	KUB3; XRCC6BP1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203623).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

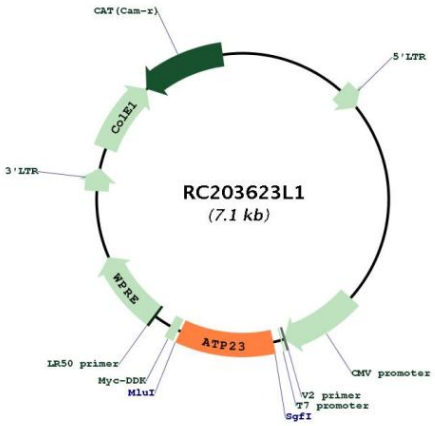


ACCN:	NM_033276
ORF Size:	738 bp

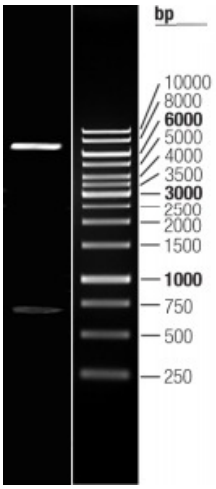
View online »

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.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
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
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]

Product images:



Circular map for RC203623L1



Double digestion of RC203623L1 using SgfI and MluI