

## Product datasheet for **RC212178L1V**

### CEP290 (NM\_025114) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	CEP290 (NM_025114) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CEP290
Synonyms:	3H11Ag; BBS14; CT87; JBTS5; LCA10; MKS4; NPHP6; POC3; rd16; SLSN6
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_025114
ORF Size:	7437 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212178).
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_025114.2</a> , <a href="#">NP_079390.2</a>
RefSeq Size:	7951 bp
RefSeq ORF:	7440 bp
Locus ID:	80184
UniProt ID:	<a href="#">O15078</a>
Cytogenetics:	12q21.32
MW:	290.2 kDa



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**Gene Summary:**

This gene encodes a protein with 13 putative coiled-coil domains, a region with homology to SMC chromosome segregation ATPases, six KID motifs, three tropomyosin homology domains and an ATP/GTP binding site motif A. The protein is localized to the centrosome and cilia and has sites for N-glycosylation, tyrosine sulfation, phosphorylation, N-myristoylation, and amidation. Mutations in this gene have been associated with Joubert syndrome and nephronophthisis and the presence of antibodies against this protein is associated with several forms of cancer. [provided by RefSeq, Jul 2008]