

## Product datasheet for **RC203601L4V**

### **BCKDH kinase (BCKDK) (NM\_005881) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	BCKDH kinase (BCKDK) (NM_005881) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BCKDH kinase
Synonyms:	BCKDKD; BDK
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005881
ORF Size:	1236 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203601).
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_005881.1</a>
RefSeq Size:	2144 bp
RefSeq ORF:	1239 bp
Locus ID:	10295
UniProt ID:	<a href="#">O14874</a>
Cytogenetics:	16p11.2
Domains:	HATPase_c
Protein Families:	Druggable Genome, Protein Kinase

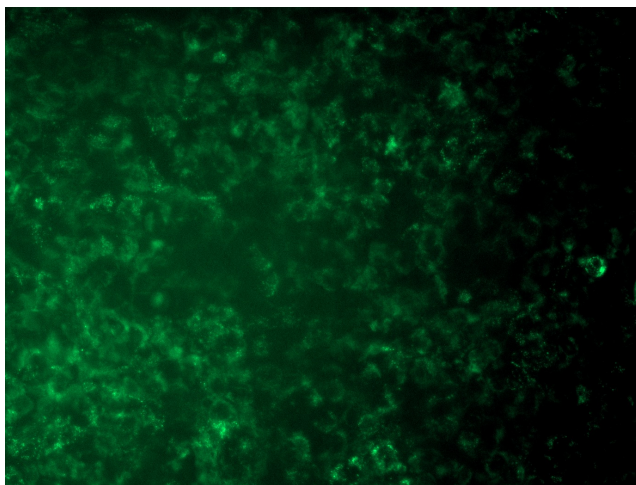


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MW: 46.4 kDa

**Gene Summary:** The branched-chain alpha-ketoacid dehydrogenase complex (BCKD) is an important regulator of the valine, leucine, and isoleucine catabolic pathways. The protein encoded by this gene is found in the mitochondrion, where it phosphorylates and inactivates BCKD. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012]

**Product images:**



[RC203601L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC203601L4V particle to overexpress human BCKDK-mGFP fusion protein.