

Product datasheet for **RC204153L3V**

BTD (NM_000060) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	BTD (NM_000060) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BTD
Synonyms:	biotinidase
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000060
ORF Size:	1629 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204153).
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_000060.2
RefSeq Size:	2084 bp
RefSeq ORF:	1632 bp
Locus ID:	686
UniProt ID:	P43251
Cytogenetics:	3p25.1
Domains:	CN_hydrolase
Protein Families:	Druggable Genome, Secreted Protein



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Protein Pathways: Biotin metabolism, Metabolic pathways

MW: 61.1 kDa

Gene Summary: The protein encoded by this gene functions to recycle protein-bound biotin by cleaving biocytin (biotin-epsilon-lysine), a normal product of carboxylase degradation, resulting in regeneration of free biotin. The encoded protein has also been shown to have biotinyl transferase activity. Mutations in this gene are associated with biotinidase deficiency. Multiple transcript variants encoding different isoforms have been described. [provided by RefSeq, Aug 2013]