

Product datasheet for **RC203156L4V**

BBOX1 (NM_003986) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	BBOX1 (NM_003986) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BBOX1
Synonyms:	BBH; BBOX; G-BBH; gamma-BBH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003986
ORF Size:	1161 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203156).
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_003986.2 , NP_003977.1
RefSeq Size:	1901 bp
RefSeq ORF:	1164 bp
Locus ID:	8424
UniProt ID:	O75936
Cytogenetics:	11p14.2
Protein Pathways:	Lysine degradation
MW:	44.7 kDa



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Gene Summary:

This gene encodes gamma butyrobetaine hydroxylase which catalyzes the formation of L-carnitine from gamma-butyrobetaine, the last step in the L-carnitine biosynthetic pathway. Carnitine is essential for the transport of activated fatty acids across the mitochondrial membrane during mitochondrial beta-oxidation. [provided by RefSeq, Jul 2008]