

Product datasheet for **RC223790L3V**

BCMO1 (BCO1) (NM_017429) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	BCMO1 (BCO1) (NM_017429) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BCMO1
Synonyms:	BCDO; BCDO1; BCMO; BCMO1; BCO
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_017429
ORF Size:	1641 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223790).
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_017429.2
RefSeq Size:	2446 bp
RefSeq ORF:	1644 bp
Locus ID:	53630
UniProt ID:	Q9HAY6
Cytogenetics:	16q23.2
Protein Pathways:	Metabolic pathways, Retinol metabolism
MW:	62.6 kDa



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Gene Summary:

Vitamin A metabolism is important for vital processes such as vision, embryonic development, cell differentiation, and membrane and skin protection. The protein encoded by this gene is a key enzyme in beta-carotene metabolism to vitamin A. It catalyzes the oxidative cleavage of beta,beta-carotene into two retinal molecules. [provided by RefSeq, Jul 2008]