

Product datasheet for **RC200950L4V**

KBTBD6 (NM_152903) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	KBTBD6 (NM_152903) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KBTBD6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_152903
ORF Size:	2022 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200950).
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_152903.4 , NP_690867.3
RefSeq Size:	5228 bp
RefSeq ORF:	2025 bp
Locus ID:	89890
UniProt ID:	Q86V97
Cytogenetics:	13q14.11
Domains:	BTB, Kelch
MW:	76.1 kDa


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Gene Summary:

As part of the CUL3(KBTBD6/7) E3 ubiquitin ligase complex functions as a substrate adapter for the RAC1 guanine exchange factor (GEF) TIAM1, mediating its 'Lys-48' ubiquitination and proteasomal degradation (PubMed:25684205). By controlling this ubiquitination, regulates RAC1 signal transduction and downstream biological processes including the organization of the cytoskeleton, cell migration and cell proliferation (PubMed:25684205). Ubiquitination of TIAM1 requires the membrane-associated protein GABARAP which may restrict locally the activity of the complex (PubMed:25684205).[UniProtKB/Swiss-Prot Function]