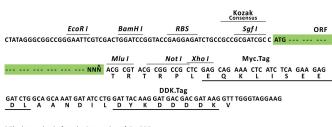


Product datasheet for RC200950L3

KBTBD6 (NM_152903) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids Product Name: KBTBD6 (NM_152903) Human Tagged Lenti ORF Clone Tag: Myc-DDK Symbol: KBTBD6 Mammalian Cell Puromycin Selection: Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092) E. coli Selection: Chloramphenicol (34 ug/mL) **ORF** Nucleotide The ORF insert of this clone is exactly the same as(RC200950). Sequence: **Restriction Sites:** Sgfl-Mlul **Cloning Scheme:** Cloning sites used for ORF Shuttling: ORF Safl Mlu I --- GCG ATC GC ATG --- // --- NNN ACG CGT ---



 $\ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM_152903 2022 bp



OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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	6 (NM_152903) Human Tagged Lenti ORF Clone – RC200950L3
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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM 152903.4, NP 690867.3</u>
RefSeq Size:	5228 bp
RefSeq ORF:	2025 bp
Locus ID:	89890
UniProt ID:	<u>Q86V97</u>
Cytogenetics:	13q14.11
Domains:	BTB, Kelch
MW:	76.1 kDa
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]

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