

Product datasheet for MR209189L4

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

Klhl25 (NM_001122780) Mouse Tagged Lenti ORF Clone

Product data:

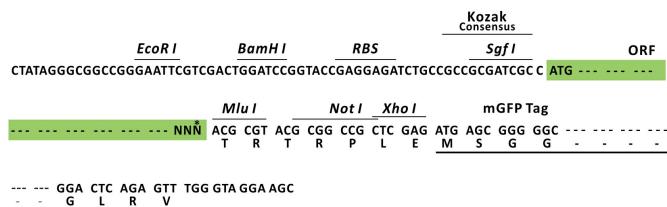
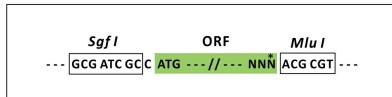
Product Type: Expression Plasmids
Tag: mGFP
Symbol: Klhl25
Synonyms: 2810402K13Rik; BC027373; Enc-1
Mammalian Cell: Puromycin
Selection:
Vector: pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as (MR209189).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF.

ACCN: NM_001122780

ORF Size: 1767 bp



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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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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.
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:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001122780.1 , NP_001116252.1
RefSeq Size:	3374 bp
RefSeq ORF:	1770 bp
Locus ID:	207952
UniProt ID:	Q8R2P1
Cytogenetics:	7 D1
Gene Summary:	Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex required for translational homeostasis. The BCR(KLHL25) ubiquitin ligase complex acts by mediating ubiquitination of hypophosphorylated EIF4EBP1 (4E-BP1): ubiquitination and subsequent degradation of hypophosphorylated EIF4EBP1 (4E-BP1) probably serves as a homeostatic mechanism to maintain translation and prevent eIF4E inhibition when eIF4E levels are low. The BCR(KLHL25) complex does not target EIF4EBP1 (4E-BP1) when it is hyperphosphorylated or associated with eIF4E. [UniProtKB/Swiss-Prot Function]

Product images: