

Product datasheet for **RG223105**

KLHL31 (NM_001003760) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	KLHL31
Synonyms:	bA345L23.2; BKLHD6; KBTBD1; KLHL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG223105 representing NM_001003760
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

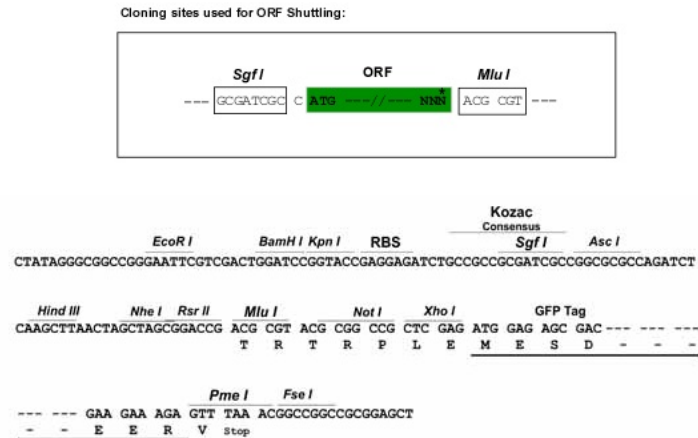
Protein Sequence: >RG223105 representing NM_001003760
 Red=Cloning site Green=Tags(s)

MAPKKKIVKKNKGDINEMTIIVEDSPLNKLNALNGLLEGGNGLSCISSELTASYGNLLEGLSKMRQEN
 FLCDLVIGTKTSFDVHKSVMASCEYFYNILKKDPSIQRVLDNDISPLGLATVIAYYTGKLTLSLYTI
 GSIISAAYVLQIHTLVKMSDFLIEMSVENCMYVVNIAETYSLNKAKAAQKFIKDNFLEAESDQFMK
 LTFEQINELLIDDLQLPSEIVAFQIAMKWLEFDQKRVKYAADLLSNIRFGTISAQDLVNYVQSVPRMQ
 DADCHRLLDVDMNYHLLPYHQNTLQSRRTIRGGCRVLVTVGGRPLTEKSLSRDILYRDPENGWSKLTE
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 VYAAGGRNAEGLASLECYVPSTNQWPKTPLEVARCCHASAVADGRVLVTGGYIANAYSRSVCAYDPAS
 DSWQELPNLSTPRGWHCAVTLSDRVYVMGGSQLGPRGERVDVLTVECYSPTAGQWSYAAPLQVGSTAGV
 SALHGRAYLVGGWNEGEKKYKCIQCFSPENLWETDEDELPEATVGVSCCTLSMPNNVTRESRASSVSSV
 PVSI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001003760

ORF Size: 1902 bp

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).

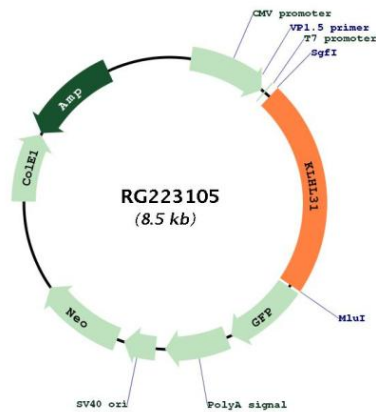
Reconstitution Method:

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_001003760.5](#)

RefSeq Size:	1905 bp
RefSeq ORF:	1905 bp
Locus ID:	401265
UniProt ID:	Q9H511
Cytogenetics:	6p12.1
Protein Families:	Transmembrane
Gene Summary:	Transcriptional repressor in MAPK/JNK signaling pathway to regulate cellular functions. Overexpression inhibits the transcriptional activities of both the TPA-response element (TRE) and serum response element (SRE).[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for RG223105