

Product datasheet for **RG228604**

KLHL29 (NM_052920) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	KLHL29
Synonyms:	KBTBD9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG228604 representing NM_052920
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence:

>RG228604 representing NM_052920

Red=Cloning site Green=Tags(s)

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MSRHHSRFRDYRVGWDREWSVNGTHGTTICS SVTSGAGGGTASSLSVRPGLPLPVVPSRLPTPATAP
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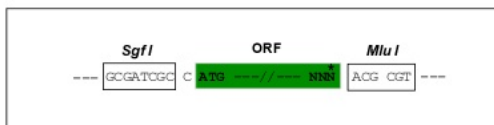
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Kozac
Consensus

EcoR I BamH I Kpn I RBS Sgf I Asc I

CTATAGGGCGGCGGGGAATTCTGTCTGACTGGATCCGGTACCGAGAGATCTGCCGCCGCATCGCCGGCGCCGCAGATCT

Hind III Nhe I Rsr II Mlu I Not I Xho I GFP Tag

CAAGCTTAAC TAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --

 T R T R P L E M E S D - - -

Pme I Fse I

--- -- GAA GAA AGA GTT TAA ACGCGCGGCCGCGAGCT

- - - E E R V Stop

ACCN: NM_052920

ORF Size: 2625 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_052920.2

RefSeq Size: 5084 bp

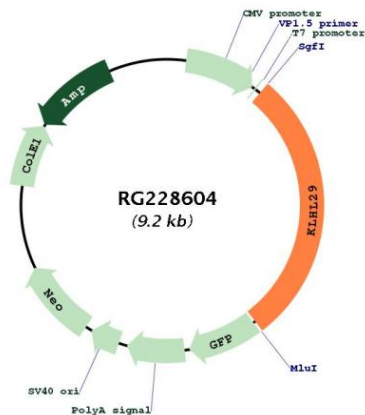
RefSeq ORF: 2628 bp

Locus ID: 114818

UniProt ID: Q96CT2

Cytogenetics: 2p24.1

Product images:



Circular map for RG228604