

Product datasheet for **RG218096**

MLL5 (KMT2E) (NM_018682) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MLL5 (KMT2E) (NM_018682) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KMT2E
Synonyms:	HDCMC04P; MLL5; NKp44L; ODLURO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218096 representing NM_018682 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCATAGTGATCCCATTGGGGTTGATACAGCAGAGACGTCATACTTGAAATGGCTGCAGGTTTACAG
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 TGCCACCAACATTTCAAACAATTACCATGGGTGAGGGTGGCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG218096 representing NM_018682
 Red=Cloning site Green=Tags(s)

MSIVIPLGVDTAETSYLEMAAGSEPESEVESPVVVEKSNSYPHQLYTSSSHSHSYIGLPYADHNYGARP
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 PSSAHPTVPPYPSQATHHTLGGPQHQPSTGPHCLPVTGPHLQPGPNSIPTPTASGFCPHPGSVAL
 PHGVQGPQASPVPGQIPIHRAQVPPTFQNNYHSGSWH

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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.
RefSeq:	NM_018682.3 , NP_061152.3
RefSeq Size:	6725 bp
RefSeq ORF:	5577 bp
Locus ID:	55904
UniProt ID:	Q8IZD2
Cytogenetics:	7q22.3
Domains:	SET, PHD
Protein Families:	Druggable Genome
Gene Summary:	This gene is a member of the myeloid/lymphoid or mixed-lineage leukemia (MLL) family and encodes a protein with an N-terminal PHD zinc finger and a central SET domain. Overexpression of the protein inhibits cell cycle progression. Alternate transcriptional splice variants have been characterized. [provided by RefSeq, Jul 2008]