

Product datasheet for **RN200325**

Kitlg (NM_021844) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kitlg (NM_021844) Rat Untagged Clone
Tag: Tag Free
Symbol: Kitlg
Synonyms: Kitl; Mgf; SCF
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200325 representing NM_021844
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGAAGACACAACTTGGATTATCACTTGCATTTATCTTCAACTGCTCCTATTTAATCCTCTCGTCA
AAACTCAGGAGATCTGCAGGAATCCTGTGACTGATAATGTAAGACATTACAAAACCTGGTGCGAATCT
TCCAAATGACTATATGATAACCCCAACTATGTCGCCGGATGGATGTTTTGCCTAGTCATTGTTGGTTA
CGAGATATGGTAACACACTTATCAGTCAGCTTGACTACTCTTCTGGACAAGTTTTCAAATATTTCTGAAG
GCTTGAGTAATTATCCATCATAGACAACTTGGGAAAATAGTGGATGACCTCGTGGCATGTATGGAAGA
AAATGCACCTAAGAATGTAAGAACTCACTGAAGAAGCCAGAACTAGAACTTTACTCCTGAAGAATTC
TTAGTATTTTCAATAGATCCATTGATGCCTTCAAGGACTTCATGGTGGCATCTGACACTAGTGATTGTG
TGCTCTTTCAACATTAGGTCCTGAGAAAGGAAAGCCGAAAGTCCCCTGAAGACCCAGGCCTACAATG
GACAGCAATGGCACTGCCGGCTCTCATTTCGCTTGTAAATTGGCTTTGCTTTTGGAGCCTTACTGGAAG
AAGAAACAGTCAAGTCTTACAAGGCAGTTGAAAATACAGATTAATGAAGAGGATAATGAGATAAGTA
TGTTGCAACAGAAAGAGAGAGAGTTTCAAGAGGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_021844
Insert Size: 738 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_021844.2 , NP_068616.1
RefSeq Size:	5276 bp
RefSeq ORF:	738 bp
Locus ID:	60427
Cytogenetics:	7q21
Gene Summary:	soluble growth factor that activates c-kit tyrosine kinase receptor; important for signaling in spermatogenesis; putative regulator of Leydig cell development [RGD, Feb 2006] Transcript Variant: This variant (2) lacks an alternate in-frame segment in the 3' coding region, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.