

Product datasheet for **MC219544**

Klh124 (NM_029436) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klh124 (NM_029436) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Klh124
Synonyms:	1110046J11Rik; 4930429H24Rik; 6530402O20Rik; C85082
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219544 representing NM_029436
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTACTAATATTGGGACGCAGATTAACAGAGAGGATCTTGGGGTGCCTGATTCCCCAGCAACTAAGC
 GTAAAGTTTTTGAATGGACCCCAATCTCTGACAGGTCATGAGTATTTGACTTCTCTCAGGATCATC
 CCATGCTGAAAACATCCTCCAGATATTTAATGAGTTCGAGACAGCCGCTTATTCACAGATGTCATTATC
 TGTGTGGAAGGAAAAGAATCCCATGCCATCGAGCTGTCTCTCAGCCTGCAGCAGCTACTTCAGAGCCA
 TGTTCTGTAACGACCACAGGGAGAGCCGAGAAATGCTGGTTGAGATCAATGGCATTITAGCTGAAGCTAT
 GGAATGCTTTCTGCAGTATGTGTACTGGGAAGGTGAAGATCACAACAGAGAATGTCCAGTACCTCTTC
 GAAACCTCAGCCTCTTTCAGATTAGTGTCTCCGTGATGCTTGTGCCAAGTTCTAGAGGAACAGCTTG
 ATCCTTGCATTGCCTAGGAATCCAGCGCTTGGCCGACCCACTCGCTCAAACACTCTTCACAAAATG
 CAAGACCTTTCATTACAGACTTTTGGAGTGTGTCCAGCATGAAGAATTTCTCGAGCTTGACAAAGAT
 GAATTATTGATTATATCTGCAGTATGAACTTGTATTGGTAAAGAGGAGATGGTTTTTGGAGCCGCTCA
 TGGCTGGGTCTACCGGGCGGTTGATCTGCGAAGACCCTGTTACATGAGCTCCTGACGCACGTCAGGCT
 TCCTCTCTGCATCCCACTACTTTGTTCCAGACAGTTGAAGTGGACCAGTTGATCCAGAATCCCCCGAG
 TGTTATCAGTTGCTGCACGAAGCAAGGCGGTACCACATACTTGGCAATGAAATGATGTCCCAAGGACTA
 GGCCACGCAGGTCTACTGGCTATTCAGAGGTGATAGTTGTGGTTGGAGGCTGTGAACGAGTTGGAGGATT
 TAATCTCCATACACTGAGTGCATGATCCAGTAACAGGAGAATGGAAGTCCCTGGCCAAGCTCCAGAA
 TTTACCAATCCGAGTATGCAGTCTGTGCACTGAGGAATGATATCTTGTTCAGGTGGAAGAATCAACA
 GCCGTGATGTCTGGATTATAATTCACAGTTAAATATCTGGATCAGAGTTGCTTCTAAATAAAGGCAG
 ATGGCGTCACAAAATGGCTGTCTTCTTGGTAAAGTGTATGTTGTTGGCGGCTATGATGGGCAAAACAGG
 CTTAGCAGTGTGGAGTGTACGATTCTTTTCAAATCGTTGGACGGAAGTTGCTCCACTTAAAGGAAGCAG
 TGAGCTCTCCTGCAGTGACAAGCTGTATAGGAAAATTGTTGTGATTGGTGGAGGACCTGATGATAATAC
 TTGTTCTGATAAGGTCCAATCTTATGACCCAGAAACCAATTCTTGGCTACTTCGTGCAGCTATCCCTATC
 GCCAAGAGGTGCATCACAGCTGTCTCTTAAACAACCTGATCTACGTAGCTGGTGGGCTGACCAAGGCAG
 TGTATTGTTACGATCCCCTTGAAGACTACTGGATGCATGTACAAAACACATTAGCCGGCAGGAAAACCTG
 TGGTATGTCTGTTGTAATGGTAAAATCTATATCTGGTGGGAAGACGGGAAAATGGAGAAGCCACAGAT
 ACTATTCTCTGTTACGATCCTGCGACAAGTATCATCACAGGAGTGGCTGCAATGCCAGGCCAGTGTCTCT
 ACCACGGCTGTGTAACATTCATAGATACAATGAGAAGTCTTTAAGCT**C****TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_029436
- Insert Size:** 1803 bp
- 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:

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_029436.3](#), [NP_083712.4](#)

RefSeq Size: 6683 bp

RefSeq ORF: 1803 bp

Locus ID: 75785

UniProt ID: [Q8BRG6](#)

Cytogenetics: 16 A3

Gene Summary: Controls KRT14 levels during keratinocytes differentiation (PubMed:27798626). As part of the BCR(KLHL24) E3 ubiquitin ligase complex, mediates ubiquitination of KRT14 (By similarity). Specifically reduces kainate receptor-mediated currents in hippocampal neurons, most probably by modulating channel properties (By similarity).[UniProtKB/Swiss-Prot Function]