

## Product datasheet for **MC204072**

### **Klk1b4 (NM\_010915) Mouse Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Klk1b4 (NM_010915) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Klk1b4
Synonyms:	alpha-NGF; mGk-4; Ng; Ngfa
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC034518 CTCCTGGACACCTGTTACCATGTGGTTCCTGATCCTGTTCTAGCCCTGTCCCTAGGAGGGATTGATGCT GCACCTCCTGTCCAGTCTCAAGTGGACTGTGAGAATCCCAACCCTGGCATGTGGCTGTGTACCGCTTCA ACAAATATCAATGCGGGGAGTCTCTGGTGGACCGCAACTGGGTTCTCACAGCTGCCCACTGCTATAACGA CAAGTACCAGTTTGGCTGGGCAAAAACAACCTTTTGGAGGATGAACCTTCTGACCAACACCGGCTTGTC AGCAAAGCCATCCCTCACCTGACTTCAACATGAGCCTCCTGAATGAGCACACCCACAACCTGAGGACG ACTACAGCAATGACCTGATGCTGCTCCGCCTCAGCAAGCCTGCTGACATCACAGATGTTGTGAAGCCCAT CACCTGCCCACTGAGGAGCCCAAGCTGGGAGCACATGCCTAGCCTCAGGCTGGGGCAGCACTACACCC ATCAAGTTCAAATATCCAGATGATCTCCAGTGTGTGAACCTCAAGCTCCTGCCTAATGAGGACTGTGACA AAGCACATGAAATGAAGGTGACAGATGCCATGCTGTGTGCAGGAGAGATGGATGGTGCCTCATACTTG TGAGCATGACTCAGGAGGCCCACTGATCTGTGATGGTATTCTCCAAGGTATCACATCATGGGGCCCTGAA CCATGTGGTGGAGCCCACTGAGCCAAGTGTCTACACCAAATTATTAAGTTCAGCTCCTGGATAAGAGAAA CTATGGCGAATAACCCCTGAGTGTACATTGTCCCTTTTCTCAATAAAGCCACCATGCAGCAAATGAA AAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_010915
Insert Size:	771 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).



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**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:** [BC034518](#), [AAH34518](#)

**RefSeq Size:** 853 bp

**RefSeq ORF:** 771 bp

**Locus ID:** 18048

**UniProt ID:** [P00757](#)

**Cytogenetics:** 7 28.72 cM

**Gene Summary:** This gene encodes the alpha subunit of the 7S nerve growth factor (NGF) complex that is essential for the differentiation and survival of distinct populations of neurons in both the central and the peripheral nervous systems. This gene is located in a cluster of several related kallikrein genes on chromosome 7. [provided by RefSeq, Feb 2016]