

Product datasheet for **RN214951**

Loxhd1 (NM_001106132) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Loxhd1 (NM_001106132) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Loxhd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN214951 representing NM_001106132 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGCCCCAGAAGAAGAAGCGGCGGAAGAAAGACATCGACTTCCTGGGCTTGTACGAGGAGGAGCTGC
TGAACCTACAACCTCGGAGGATGATGAGGATGAGTTGGAGCACGAATACTACAAAGCCAAGGTGTACGAGGT
GGTCACAGCCACAGGGGATGTTCTGTGGCGCAGGGACAGATGCCAACGTGTTTCATCAGCATCTTTGGAGAG
AACGGGCTCTCTCCAAGCTCCATCTCACCAGCAAGAGCGAGTCTGCTTTTGAGAAAGCCAACGTTGATG
TATTCGGGTACGGACCAATAACGTGGGCTCATCTATAAAATCAGGATCGAGCATGATAACACAGGCCT
GAATGCCAGCTGGTACCTGGACCGGTTATAGTGACGGACATGAAGAGGCCTCACCTCCGCTATTACTTC
AACTGTAACAACCTGGCTGAGCAAGGTGGAGGGTGACCGTCAGTGGTGCCGTGACCTCCTGGCCAGCTTCG
ACCCCATGGACATGCCAGAGGAAACAAATATGAAATCAAGGTATACACTGGTGATGTGATTGGTGCAGG
GACAGATGCTGATGTCTTTATCAATATCTTTGGAGAGTATGGAGACACAGGGGAGCGTAGGCTGGAAT
GAGAAAGACAACCTTTGAAAGGGAGCTGAAGACAAGTTCACACTGGATGCACAGATTTGGGGCAGCTGA
TGAAGATCAATGTGGGCCACAACAAGGGGGTTTCGGCAGGTTGGTTCCTGTCCAAGATCATCATTGA
AGATATTGGGAACAAAAGGAAATATGATTTCCCTTAACCGCTGGCTGGCCCTGGATGAAGATGATGGC
AAAATCCAGAGAGACATCTTAGTGGGCGGAGCTGAGACCAGCCATAACCTACATTGTCACTGTCTTCA
CTGGGGATATCCGTGGAGCTGGGACCAATCTAAATCTATTTGGTCATGTACGGAGCCAGAGGAAATAG
GAACAGTGAAAAATCTTTCTGGAAGGTGGTGTGTTTCGACAGGGGCCGCACAGACATCTTCCACATCGAC
CTGGCTGTCTCCTTAGCCCACTGAGCCGGGTCTCCATTGGGCACGGCAACATAGGCGTCAACCGAGGCT
GGTACTGTGAGAAGGTGGTGGTACTGTGCCCTTCACTGGCATCCAGCAGACTTTCCCGTGCAGCAACTG
GTTGGATGAGAAGAAGGCAGACGGACTGATTGAGCGTCAGCTCTATGAGATGGTGTCTCTGAGGAAGAAG
CGGCTGAAAAATTTCTTGGTCCCTTTGGGTCTGGACAACCTGATCTGAAGAAAGCTGGCACCAACTCGC
CCATCTTCATCCAGATTTATGGGAAGAAGGGCGGACAGACGAGATTCTTCTGAATCCCAACAACAAATG
GTTCAAACCGCATCATTGAGAAGTTCAGGATGGAGCTCCAGATCTCGGAGGTTTTTATAAGATTCGG
GGTGGCATGACAGGCAGAATCCTGGCTCTGGGTGGCATTAGAAAAGATGACTCTGATGAATACCTTGA
ATAAGGACAAATATACTTCAACTGCAACCGCTGGCTGGATGCCAATGAGGATGACAATGAGATCGTGAG



[View online »](#)

GGAGATGACCGCAGAAGGCCGACTGTACGGAGGATAATGGGAATGGCCCGGTATCGTGTGACTGTATGC
 ACAGGGGAACTTGAAGGTGCAGGAACTGATGCCAACGTCTACCTCTGCCTTTTGGTGATGTGGGGACA
 CAGGGGAGAGACTGCTTTACAACGTCAGAAATAACACCGACCTGTTTGAGAAAGGCAATGCGGATGAATT
 TACCATTGAGTCTGTCACTATGAGGAAGGTGAGGCGAGTGAGGGTCAGGCACGACGGCAAAGGCTCGGGC
 AGCGGCTGGTACCTGGACAGGGTGTGGTGAGAGAGGAAGGGCAGCCAGAGAGTGACAACGTGGAGTTCC
 CCTGCCTCAGGTGGCTGGACAAAGACAAGGATGATGGGCAGCTGGTCCGAGAGTTGCTACCCAGTGACAG
 CAATGCCACGCTCAAGAACTTCCGCTATCACATCAGCGTGAAGACGGGGGATGTCTCTGGGCCAGCACA
 GATTCTCGGGTGATACATCAAGCTCTATGGAGAGAAATCTGACACCATCAAGCAAGTTCTTCTCGTCTCTG
 ACAACAACCTCAAAGACTACTTTGAACGTGGCCGAGTGAGTTACTCTGGAGACCTGAACATAGG
 AACTATCATCAGGCTGGTGATTGGGCACGACAGCACTGGCATGCATGCAGGCTGGTTCTGGGTAGCGTC
 CAGATCCGCGTGGCCGCAAGGCAAGCAGTACACCTTCCCTGCCAACCGGTGGTGATAAGAACCAGG
 CTGATGGGCGTCTGGAGGTGGAGCTGTACCCAGCGAGGTGGTGAGATCCAGAAATTGGTCCACTACGA
 GATTGAGATTTGACCGGAGATGTGGGTGGTCCCGCACCACTTCCGAGTCTACGTGCAGATCTACGGG
 GAAGAAGGCAAGACCGAAGTACTTCTCTCCAGCCGCTCAAAGTGTTTGATCGGGGGTCCAAGGACA
 TATTCCAGCTGGAAGCGGCGGACGTGGGCGAGATCTACAAGATCCGACTGGGACACACGGGCGAGGGCTT
 TGGGCCACGCTGGTTTGTGGACACAGTGTGGCTGCGGCACCTGGTGGTGACGAGGAGAGCCTGACGCCG
 GAGGAGGAGGCCCGGAGGAAGAAGGAGAAGGAGAAGTTGCGGCAGCTGTTGAAGAAGGAAAGGCTGAAGG
 CTAAGCTGCAGCGGAAGAAGAAGAAAAAGAAAGGACGCGATGAGGAGGAGGAGGGCGATGAGGAAGA
 AGAGTCTCTCTCAGAAGAGTCTCTCTGAAGAGGAGGAGGAGGAGGAGTCAAGGAGGAAGAGGAGGAA
 GAGGAGTATGGGCCAGGGATGCAGGAGGTGATTGTGCAGTACAAGTTCTGTCGCTAACCGCTGGCTGGCC
 GGGGCAAGGAGGACAATGAACCTTGTCTGGAATTGGTTCCAGCTGGTCAAGCGGCTCTGAGCCCAATAC
 CTACGAGGTCCAGGTGATCACAGGGAACGTACCAAGGCTGGCACTGATGCCAACGTCTACCTGACCATC
 TACGGTGAGGAATACGGGGACACAGGGGAGCGACCCCTGAAGAAATCAGACAAGTCCAACAAGTTTGAGC
 AGGGCCAGACAGATACCTTCAACATCTATGCCATTGACCTGGGGGCTCTTACCAAGATTCCGATCCGTC
 TGATAACACGGGCAACAGGCCGGCTGGTTCTGGACAGAATAGACATCACCGACGTGAATAACGAGACC
 ACGTACTACTTCCCGTGCCAGCGCTGGTTAGCAGTCGAGGAGGATGACGCCAGTTATCCAGGGAGCTGC
 TGCCAGTGGATGAGTCTACGTGCTACCTAGTGAAGACGAGGAGGGCGGGGGCCAGGGTGACAATAATCC
 CCTCGACAACCTGGCTCTGGAGCAGAAAGATAAATCAACCACATTTTCAGTGACCATAAAGACTGGGGAC
 AAAAAGAAGCAGGCACAGATGCCAACGTCTTCATCACGCTCTTTGGCACGAAAGATAACAACGGGATGA
 CCCTCCTGAAGTCTCCAAAACCAACAGTGACAAATTTGAAAGGGACAGCATTGAAATCTTACCCTGGA
 GACGCTGGATCTGGGAGACCTTTGGAAGTTAGGATCGGCCATGACAACACAGGCAAGGCCCCAGGCTGG
 TTTGTAGACTGGGTGGAGGTGGATGCCCATCTCTTGGGAAGTGATGACCTTTCCTGCGGCCGTTGGT
 TGGCCAAGAATGAGGACGACGGGAGCATCGTCAGGGATCTCTTCCACGCGGAGCTTCAGACACGGCTCTA
 CACGCCATTTGTCCCTTATGAGATCACCTCTACACCAGCGATGTCTTTGCTGCTGGGACGGACGCCAAC
 GTCTTCATAGTCATCTACGGCTGTGATGCCGTGTGCACCCGGCAGAAAGTTCTGTGCACCAATAAGAGGG
 AACAGAAGCTGCTCTTCGAGAGGAAGTCAGCCTCCCGCTTTATTGTAGAGTTAGAAGACGTGGGTGAGAT
 CATAGAAAAAATTCGATTGGCCATGACAACACAGGCATAAACCTGGGTGGCACTGCTCCACGTGGAC
 ATCCGCAGGCTCCTCCCCGAGAAAGACGGTACAGAAACCTTGACTTTCCTGTGATCGATGGCTCGCCA
 CCTCTGAGGATGACAAGAAGACCATCCGAGAACTGGTCCCCTATGACATCTTCACTGAGAAGTACATGAA
 AGATGGATCCTTAAGGCAGGTCTACAAGGAAGTGAGGAACCTCTGGACATTGTGCTGTACTCTGTGCAG
 ATCTTTCACAGGAATGTTCTGGGGCGGGACAGATGCCAAGGTCTACATCACCATCTACGGAGACCTCG
 GGGACACTGGGGAGCGGTACCTTGGCAAGTCAGAGAACCGCACCAACAAGTTTGAGAAAGGAACGGCTGA
 CACCTTCATCATCGAGGCCGCTGACCTGGGTGTCTCTACAAGATCAAGCTCCGCCATGACAACACCAAG
 TGGTGTGCCGACTGGTATGTGGAGAAGGTGGAGATATGGAATGACACCAATGAGGACGAGTTTCTATTCC
 TGTGTGGCGCTGGCTATCCCTGAAGAAGGAGGATGGGCGGCTGGAGAGGCTCTTCTATGAGAAGGAGTA
 CACTGGAGACCGCAGCAGCAACTGCAGCAGCCCGGCTGACTTCTGGGAGATCGCCCTGAGTTCCAAGATG
 GCAGACGTGGACATTGACACAGTGACAGGACCCATGGTTGACTATGTTTCAGGATGGCCCCGTGATCCCT
 ACTATGTATCAGTGACTACTGGGAAGCACAAGGAGGCAGCCACTGATAGCCGCGCCTTTGTCCTGCTCAT
 TGGGGAAGATGATGAACGTACCAACCGCATCTGGCTGGACTTTCCTCAGGGGAAGCGAGGCTTCAGCTGT
 GGCTCTGTGGAGGAGTTTACGTTGGTGGCTGGATGTGGGCATCATCAAGAAAATAGAGGTGCTGTATG
 AAATGACGGTGTGGACTGGCGATGTGGTGGTGGAGGCACTGACTCCAATATCTTCATGACCCCTCTATGG
 CATCAACGGGAGCACAGAAGAGGTGCAGCTGGACAAGAAGAAGGCCAGGTTTGAGCGGGAACAAAATGAC

ACCTTCATCATGGAGATCCTGGACATTGCTCCCTTTACGAAGATGCGCATCCGTATCGACGGGCTGGGA
 GCCGGCCAGAGTGGTTCCCTGGAGAGGATCCTGTTGAAGAACATGAACACAGGGGACCTGACCATGTTCTA
 CTACGGAGACTGGCTGTCCCAAAAGAAGGGAAAGAAGACACTGGTGTGTGAAATATGTGCGGTCAATTGAT
 GGAGAGGAGATGATGGAGTGGACGTCTACACAGTCTCGGTGAAGACCAGTGACATCTTGGGGCAGGCA
 CGGACGCTAATGTGTTTCATCATCATCTTTGGGGAAAATGGAGACAGCGGGACCCTGGCCCTGAAACAGTC
 AGCCAACTGGAACAAGTTTGAGCGGAACAACACAGACACCTTCAATTTTCTGACATGCTGAGCCTGGGC
 CACCTCTGCAAACTGAGGTCTGGCATGACAACAAAGGGATATTCTGGATGGCATCTGAGCTACATTG
 ACGTGAAGGACAATTCCCGTGACGAGACCTTCCGCTTCCAGTGTGACTGCTGGCTGTCTAAGAGTGAGGG
 TGACAGACAAACGCTCCGAGACTTCGCGTGTGCCAACATGAGATCCGCGATGAGCTGGAAGAGACCACC
 TACGAGATTGTATAGAAACAGGCAACGGAGGCGAAACCAGAGAGAATCTGGCTCATCTTGGAAGGCA
 GGAAGAACAGATCCAAGGAATTCCTTGTGGAATTTCTCCAGACAGCGGCCTTTCGGAAGGGGACCAC
 AGACACCTTTGAGTTTGACAGCATCTTCTGGGTGACATCGCCTCCCTCTGTGTGGGCCACCTGGCAAGG
 GAGGACCGGTTTATCCCAAGAGAGAGTAGTCTGGCATGTCAAGACCATCACCATCACCAGATGGAGT
 ATGGCAACGTGTACTTCTTAACTGTGACTGCCTCATCCCCCTCAAGAGGAAGAGGAAGTACTTCAAGT
 ATTCGAGGTCACTAAACGACAGAGAGCTTCGCCAGTAAGATCCAGAGCCTGGTGCCAGTCAAGTACGAG
 GTCATCGTGACGACGGGCTACGAACAGGGGCGGGCACTGATGCCAACGCTTTCGTGACCATCTTTGGCG
 CTAACGGGGACACGGGCAAGCGCAACTGAAACAGAAAATGCGCAACCTTTCGAGAGGGGCACTACAGA
 CCGCTTCTTTCTGGAGACATTAGAGCTGGGAGAGCTGCGCAAGGTTTCGGCTGGAACATGACAGCAGTGGC
 TACTACTCGGGCTGGCTGGTGGAGAAGGTGGAGGTACCAATACTAGTACTGGAGTGGCCACCATCTTCT
 CCTGCGGCAGGTGGTTAGACAAGTCTCGGGGCGATGGGCTCACCTGGCGAGAGCTTCCCGTCCGTCTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001106132

Insert Size: 6651 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_001106132.3, NP_001099602.3

RefSeq Size: 7038 bp

RefSeq ORF: 6651 bp

Locus ID: 291427

Cytogenetics: 18q12.3