

Product datasheet for **MC200480**

Nhej1 (NM_029342) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nhej1 (NM_029342) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nhej1
Synonyms: 1700029B21Rik; cernunnos; XLF
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC006063 sequence for NM_029342
 CTCTCAGTTTGGCACCAGGACAGGCCCGCCTTGAGGAGGGTGGGAGTCCCGCAGCCGTTGACGTTGAC
 ATGGAGGTGTGAGCCGCCCTCTTGAAGGCTGACTTTCCTGAGGACACTGTGCTGAATTAGGACTTTTCTG
 CAGATGGAAGAGCTAGAGCAAGACCTGTTGCTGCAGCCATGGGCATGTTACAACCTTGGGAGAAGCTCAC
 TCTTAGCCAAGGTGTCTATCACC AAGCAGCGTTATGCCTTGCTGATTTCCGGATCTTCAACAGGTGTGGCA
 TGAACAGGTGGACACTTCGGTGGT CAGCCAGCGCAAGGAGCTGAACAAGCGCCTCACTGCGCCTCCT
 GCAGCTTTGCTCTGTCACCTGGATGAAGCACTTCGCCACTGTTTAAAGATTCTGCTCACCTAGCAAAG
 CTACTTTCTCCTGTGACCGAGGAGAGGAGGACTGATCCTGCGGGTGCAGAGTGAGCTCTCGGGTCTTCC
 CTTCAAGTGGCATTTCCTACTGATTCCAGCTAGTTCTTCACTGGTCTCTCAGCATTGATTATCCTCTG
 ATGGGTGTGAGCCTGGCACTGCAGAGTCATGTGAGGGAGCTAGCAGCATTGCTTCGGATGAAGGACCTG
 AGATCCAGGCCTACCAGGAGAGTGGGGCTGTGCTGAGCCGAAGTCGATTGAAGACAGAGCATTGGAAGA
 AAATTCCTTTCTTGAACAGTTTATGGCAGAGAAATTGCCAGAGGCGTGTGCTGTTGGTGTGAAAAGCCA
 TTTGCCATGAGTCTGCAGAGTCTGTATGTGGCAGTTACAAAACAGCAGATCCAAGCAAGGCAGGCACATA
 AAGACTCTGGAGAGACTCAGGCATCAAGCAGCACCTCCCCTCGAGGAACTGATAACCAGCCAGAAGAGCC
 GGTCTCCCCTCCCTCCACCCTCTCAGAACCTGAATATGAGCCTGTGGCTGCTTCAGGCCCTATGCATAGA
 GCTCAGCTGGTGAAGTCCAAGAGGAAGAAGCCAGGGGACTCTTCACTTAACTCTCCATGTCTCAGCCAC
 CACGAAGAGAGCAAAACCACTTCTAGCATCACCTGGAAGGAGCTTGCATGGCAGAGCATCCCTCAGAGG
 CCTGAGTTTGTGTTGACAGGCCACCTGGATGGGACTTTACCAGAGGAAGCCTGACTCCAACCTCACTGGC
 ATTCGGATATGAGTGACACCAGCTCCTTGGGTAGTGTCTTTCTTTTGAAGTACTAGCACCTATGGC
 AAACCTTAGGTACATGAAGCAAGTTTACAAGAGGCGCATGCCAGAACTCCTGGCTGCCTTTCACAGGGG
 TCTCTCTCTCAACACAGAATAAAGGATGCTCACTCCTCGACTGTTGAGTTACCTGTGATCTCTGG
 ATCCCAGAATCCCCTAGAACAGAACTGGGTGTCCTTAGTCTGTTGGT CACATCTGAGCTATCAGCT
 CCATCCTACAGACTCTTCGTCAGCTTCTCTCATGAGGCTGAGGTCAGCCACAGTTAGAAGCCTTGATCTT
 GAGAACTCTCCATGTTGGTACAAGACAGATTACATTTCTGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_029342
Insert Size:	888 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:	<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:	BC006063 , AAH06063
RefSeq Size:	1634 bp
RefSeq ORF:	888 bp
Locus ID:	75570
UniProt ID:	Q3KNJ2
Cytogenetics:	1 C4
Gene Summary:	DNA repair protein involved in DNA nonhomologous end joining (NHEJ) required for double-strand break (DSB) repair and V(D)J recombination. May serve as a bridge between XRCC4 and the other NHEJ factors located at DNA ends, or may participate in reconfiguration of the end bound NHEJ factors to allow XRCC4 access to the DNA termini. It may act in concert with XRCC6/XRCC5 (Ku) to stimulate XRCC4-mediated joining of blunt ends and several types of mismatched ends that are noncomplementary or partially complementary (PubMed:17360556). Binds DNA in a length-dependent manner (By similarity). [UniProtKB/Swiss-Prot Function]