

Product datasheet for MR215150

Nlrp2 (NM_177690) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nlrp2 (NM_177690) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nlrp2
Synonyms:	E330007A02Rik; Nalp2; NBS1; PAN1; PYPAF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215150 representing NM_177690 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACATTTTGATCCCCTGGGTTTCAACCTAAAAGACGTCCTGAGAAAGCTGGACAAGACTGAGTTGA
ACAATTTCAAGAGAACATTGAGGAGCTGTTCTCTGCCAGATAACAATGAAACAGATCAACAAGCTGACAAT
GGACCTGGCTAATGGAGCTCAGCTAGCAGAAATCTCACAGACCACTGCCCAAGTCTGGATAAAGAGA
GTCACCGTCCAGATCTTAGAGGAAATAAACCGTGTAGATCTAGCTGAGTTAGTAGTAAAGCAAATCGAAG
AAGCAGTATTAAGGTACCTGAGGAAAAGTTTCTTCTAAACCAAGAGAACCCCTCGGGGACACTAATTT
CCCATGGAATTTTGTTC AAGGAGCTAAAAGGCCAGAGGACAAGCAAAAAGAGGAATGGAAGACTAGATAC
ACAGCTAAATGGAAGCAGAACTTCTGGCCTAAATGCAATAAAGAAATCTATGTGGTTACCGAGAGCTACA
AGACACTCCTGGCATTGTGTAACCCAAAGATAGAAACCCATTTGCTCATGCAATTGTGCTGCATGGCCC
TCCAGGCTCTGGGAAAACCACAAATGGCAAAGCAGCTAATGTTAGAATGGTCAGAGAGTAAGCAGGCCAG
ATTTTCTCATGTGCCTTCTACATCAGCTGCAGGGAAGTAATAACTAAACCTTGCACTTTTGGCCACC
TCCTCTCCATGGACAATCCCTCCTGGAGGGACTGTGTGATTCGAGATCTAATCCTGGGAAAGGAATCTT
ATTTGTGGTAGATGGTTTGTAGAGTGTGATTCAGGAGGAGCTCTGATCCGTGACCTTTGTGGTGAC
TGAACACAGTGAAGCCTGTAGAGTCTTACTGGCAGTTTGTGAAGAGGAAGATGGCACCTCATGCCA
CCCTGCTGGTAACCACACGGACACAGTCTTGCACCAAATCTTTGTCATGATGGATCAGCCACTACTAGT
AGAAACTCTGGGCTTCTTGGAGCAAGAAAAGCAGGAGTACTTTGAGAAACTTTGAAGATGAGGAGGGT
GAGGAGGAGGATAAAGGTGAGGGAAGGCCTTAGAGCTCTCAAGGAAGTGAAGTGAATGCTGATCTAT
ACCAAATGGCCTCACTTCTACTGCATGTGGGATATTCTGCCTCTGTCTGGAGCTAAGGATGAAGAAGGG
GGAAGACCTGTCTCTGACATGTCAGACATACACCTCTATGTTCTGAACTTCTGTGCGAAGTCTTCTCA
TCAGAACTGTGAGGACCATCTCAATGAGGAATCCAAATCTTATTCAAGAAAATATGTATCCTGGCTG
CCAATAGTCTCTTGAACAGGTGCCATACTCTGTGAAGAAGACTTCTTGACATTAATAATGAACCTAAA
CAATTTGCATCCCATGGTGTGCAGGCACATCCTCTTAAGGACAGTTCAGTACACTGTCTCTCTTTT



[View online »](#)

ATCTGCCTCGGTATCCAGCAACTCCTGGCTGCAATAATATTTGTTTCAGGAGCTTGGACAGGAAAGCAAGG
 GTGTCTCTAAATATAGTATACAGAACATGCTTTCAAGGGAAGCAAGATTAACCAACCTGACCTGTCTGG
 GCTGCTGCCATTTGTATTTGGCCCTCTGAATGAGACTCGTATTCAAGAGTTGAAGACTACTTTTGGCTGC
 CAAATATCAACTGAGGTCAAGAGAAAATTCCTGGAGTGTGAGTCAGGGGAAAATAAACCCCTACTATTAC
 TGATGAATATGCAAGAAATCTTGTCTGTCTATGAATCTCAGGAGGAGGGTGTGGAAGGAAGCCAT
 GGTCTCTTTGAGGACATCTCCTTGCATTTGAAAACCAGCACTGACCTCATTTCATGCTTATTGCCTC
 AAGAACTCTCAGAACTTGACAGCAATGTCCTGAAAGTAGAAAAGGCGGTCTTTCCAGAGAATGTTGCTG
 CACTAGATCCACAGCTAAGCATCAAAGTCCCGGATGAACAACGCATGTTAACTTTCTGGACAGACTT
 TTGTGACACATTTAATCAAATAAGAACTGGTATTTCTAGACATCCATGAAAGTTCCTCAACAGCTCT
 GCACTGGAGATTCTTTGTAAAAGCTGCCTCTGCTTCTGTTGTCTCCAGAAAAGTGGTCTCAAAAATA
 TTTCCAGATGATGCCTACGAGAAATGTGCCTCATTTTTAATGGTTATAAACCATCTCACATCTGAT
 CCTGCAAGGTGGCAACCTGGACAGCATGCATCACTCACTGTGTGAGGTTCTGAAAATCCAGCCTGCAAC
 CTGAAGTTTCTCAGCCTGGGATCTTGTCTACTGCTGCTCAGAAATGGGATGACTTCTCCAGTCTGA
 AAGTCAATCAATCCCTGATATTTCTGGATCTCACAGACAACAGTCTCTTGGACAAAAGTCTAAGCTCT
 ATGTAATATTTGGAAGGAACAAAGTGCATACTGCAGAGGATCGTTGGAGAAGTGTGAGTCACTGAA
 GCCTGCTGCAAGGACCTCTCTCCGTTTTGATGGTCAGCCGAACCTGACACACCTCAGCCTGGCCAACA
 ATAAACTTGGGGATAACGGAGTAAAAACCTGTGTGAAAGCATAAGCTGCACGGAGTGAATCTACAGAC
 CCTGGTGTGTGGTCTGTAACATCACCAACGCTGGTGGCCACTATCTCTCAAAGATGCTCAAAACAACA
 CTGAGCCTGAAACACTTGGATCTGGGGCTAAATCGCATCGGAACCAAGGAGCAAAGTTTCTGTGTGAGG
 CTTTGAAGAACCCCAAGAGTAAATTGAAAAGTCTGTGGCTGTGTGGATGCTCCATCACTCCACTGAACTG
 CCAAGACTTCTCTGAGACTCTTAGAAGCAACAAGGCCTGAACACTCTAGACCTGTCTCAGAACGTCCTG
 GAACTGATGCCATAAAGACATTCTGTGAAGCCTTGAACCTTCAAGTTTGCCTGCAAAATGCTTAGAT
 TGAATTTGATGAAGCTAAACCTAGTATCCAGAACCTGATCCAAGAGATGAAGGTGAGCCATCCACAAC
 GAGAATCAGCAGTGACCAAGTGGATCTTAAGAACTCCTCTCTTCTCATTTCATTTTT

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215150 representing NM_177690

Red=Cloning site Green=Tags(s)

MEHFDPLGFNLKDVLRKLDKTELNNFKRTLRSCLPDTMKQINKLTMDLANGAQLAEILDHCPASAWIKR
 VTVQILEEINRVDLAELVVKQIEEAVLKVPEEKVSSKPREPSGTLTFPWNFVQAKRPEDKQKEEWKTRY
 TAKWKQNFWPKNKEIYVVTESYKTLALCNPKIETPFHAHIVLHGPPGSGKTTMAKQLMLESKQAQ
 IFSCAFYISCREVNNTKPCFTHLLSMDNPSWRDCVIRDILGKEFLFVVDGFDELTFPAGALIRDLCGD
 WNTVKPVEVLLGSLLRKMAPHATLLVTRTQSLHQIFVMMDQPLLVELLGFLEQEQEYFQKYFEDEEG
 EEDKGEKALRALKEVRNADLYQMASLPTACGIFCLCLELRMKGEDLSLTCQTYTSMFLNFLCEVFS
 SETCEDHLNEEFQILFKKICILAANSLEQVPIECEDFLTLKLNLNHPMVCRHILFKDSSSTHCLSF
 ICLGIQQLAAIFVQELGQESKGVSKYSIQNMLSREARLKNPDL SGLLPFVFGLLNETRIQELKTTFGC
 QISTEVKRFLECESGENKPLLLMNMQEILSCLYESQEEGFVKEAMVLFEDISLHLKTSTDLIHASFCL
 KNSQNLQTMCLKVEKAVFPENVAALESTAKHQSPDEQRMLTFWTFDFCDTFNSNKKLVFLDIHESFLNSS
 ALEILCEKLPASCCQLQVVLKNI SPDDAYEKLCIFNGYKTI SHLILQGGNLD SMHSLCEVLKNPACN
 LKFLSLGSCSTAAQKWDFFPVVKVNSLIFLDLTDNSLLDKSAKLLCNIWKEPKCILQRVSLENCQLTE
 ACCKDLSSVLMVSRTLTHLSLANNKLDNGVKNLCESISCTECNLQTLVLWSCNITNAGCHYLSKMLKQT
 LSLKHLDLGLNRIGTKGAKFLCEALKNPKSKLKSLLWLCGCSITPLNCQDFSETLRSNKSLNLDLSONVL
 GTDAIKTFCEALKLQICPLQMLRLKFDEAKPSIQNLIQEMKVSHPQLRISDQVDLKNPPLPHFIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9040_b02.zip

Restriction Sites:

Sgfl-Mlul

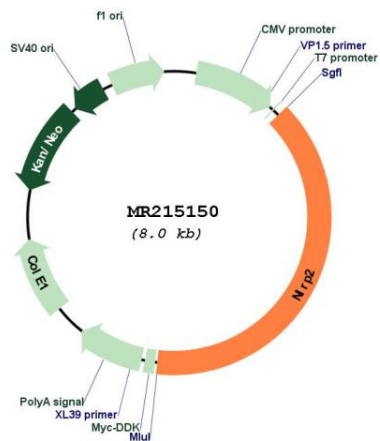
Cloning Scheme:



- ACCN: NM_177690
- ORF Size: 3138 bp
- OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
- OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
- 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_177690.3](#), [NP_808358.2](#)
- RefSeq Size: 3404 bp
- RefSeq ORF: 3141 bp
- Locus ID: 232827
- Cytogenetics: 7 A1

MW: 119.1 kDa

Product images:



Circular map for MR215150