

Product datasheet for **MR207154**

Nasp (NM_001081475) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nasp (NM_001081475) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nasp
Synonyms:	5033430J04Rik; A1131596; A1317140; D4Ertd767e; Epcs32; Nasp-T
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207154 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCACAGAGTCTACAGCCGCTGCTGCCATCGCCGCGGAGCTGGTTCCGCTGACAAAATTGAAGATG
 CTCTGCTCCTTTACTCTCGGCAGATAAAATGGAGAGTCTGGATGTGGATAGTGAAGCTAAGAACTACT
 GGGATTAGGACAGAAACATCTGGTGATGGGTGACATTCCAGCAGCTGTTAATGCATTCCAGGAAGCAGCT
 AGTCTTTTAGGTAAGAAGTATGGAGAAACGGCTAATGAGTGTGGAGAAGCCTTCTTTTTTATGGGAAGT
 CACTTCTGGAGTTAGCCAGAATGGAGAATGGAGTGTGGGAAATGCCTTAGAAGGAGTGCATGTAGAAGA
 GGAAGAAGGAGAAAAACAGAAGATGAATCTTTGGTAGAAAATAATGATAATGTAGATGAACTGAAGGC
 TCAGAGGAAGAGGACAGAGAAAAATGACAAGGCTGAAGAAACACCAATGAATCAGTTCCTGAAAAAAGT
 CTCTTCAAGAAAAATGAAGAGGAGGAGATAGGGAATTTGGAACCTGCTGGGATATGCTGGATTTAGCCAA
 GATCATTTTTAAGAGGCAAGAAACAAAAGAAGCCAGCTTTATGCTGCACAAGCCATCTTAAACTTGGA
 GAAGTTAGTGTGAATCTGAGAATTATATCCAAGCTGTGGAGGAGTTTCAGGCTTGCCTAAGCCTGCAAG
 AACAAATTTTGAAGCTCACGATCGTCTCCTTGCAGAGACTCACTACCAATTAGGTTTGGCCTATGGTTA
 CAACTCTCAGTATGATGAAGCAGTAGCACAGTTTGGCAAATCTATCGATGTCATTGAAAAGAGAATGGCT
 GTACTCCATGAGCAGATGAAGGAGGCCGAAGGATCGTTTACTGAATATGAGAAAAGAAATTGAGGAGCTGA
 AAGAACTGCTACCTGAAATTCGAGAGAAGATAGAAGACGCAAAGGAATCTCAGCGGAGTGGGAATGTAGC
 CGAACTGGCACTGAAAGCTACTCTGGTGGAGAGCTCTACTTCCGGTTTCACTCCTAGTGGAGCTGGTGCC
 TCAGTATCCATGATTGCCAGTAGAAAACCAACAGATGGCGTTCCTCATCAAATGTGTGACTGATATTT
 CCCATCTTGTGAGAAAGAAGAGGAAACCAAGGAAGAGAGTCCCGGAAGGATGATGCAAAAGAAAGCTAA
 ACAAGAGCCAGAGGTGAATGGAGGCACTGGGGATGCTGTCTCCAGTGGAAGGAAGTTTCAGAAAACATG
 GAGGCCGAGGCTGAGAATCAGGCTGAGAGCCAAACAGCAGAGGGGACCGTGGAGTCTGCAGCTACAATTA
 AAAGCACTGCATGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207154 protein sequence
 Red=Cloning site Green=Tags(s)

MATESTAAAAIAELVSADKIEDAPAPSTSADKMESLDVDSEAKKLLGLGQKHLVMGDIPAAVNAFQEA
 SLLGKKYGETANECGEAFFYGKSLLELARMENGLGNALEGVHVEEEGEKTEDESLVENNDNDETEG
 SEEDRENDKAEETPNESVLEKKSLEQENEEEEIGNLELAWDMLDLAKIIFKRQETKEAQLYAAQAHKLG
 EVSVESENYIQAVEEFQACLSLQEYLEAHDRLLAETHYQLGLAYGNSQYDEAVAQFGKSIDVIEKRMA
 VLHEQMKEAEGSFTEYEKEIEELKELLPEIREKIEDAKESQSRSGNVAELALKATLVESSSTSGFTPSGAGA
 SVSMIASRKPTDGASSNCVTDI SHLVRKRRKPEEESPRKDDAKKAKQEPEVNGGSGDAVSSGKEVSENM
 EAEAENQAESQTAEGTVESAATIKSTAC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

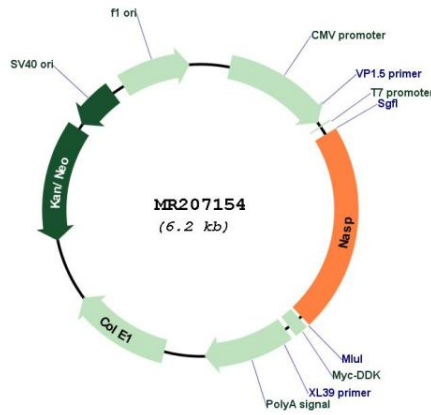
SgfI-MluI

Cytogenetics: 4 53.24 cM

MW: 48.8 kDa

Gene Summary: Required for DNA replication, normal cell cycle progression and cell proliferation. Forms a cytoplasmic complex with HSP90 and linker H1 histones and stimulates HSP90 ATPase activity. NASP and H1 histone are subsequently released from the complex and translocate to the nucleus where the histone is released for binding to DNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207154