

Product datasheet for **MC205656**

Nasp (NM_001081475) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nasp (NM_001081475) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nasp
Synonyms:	5033430J04Rik; A1131596; A1317140; D4Ertd767e; Epcs32; Nasp-T
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC004693 CTCTGCTGTCCGGAATTCTCTGTTTTCTTCGCGAGCAGTGTCTGCCACTGGCCACCACCTCAGGGG AACGATGGCCACAGAGTCTACAGCCGCTGCTGCCATCGCCGCGGAGCTGGTTTCCGCTGACAAAATTGAA GATGCTCCTGCTCCTTCTACCTCGGCAGATAAAAATGGAGAGTCTGGATGTGGATAGTGAAGCTAAGAAA TACTGGGATTAGGACAGAAAACATCTGGTATGGGTGACATTCCAGCAGCTGTTAATGCATCCAGGAAGC AGCTAGTCTTTTAGGTAAGAAGTATGGAGAAACGGCTAATGAGTGTGGAGAAGCCTTCTTTTTTATGGG AAGTCACTTCTGGAGTTAGCCAGAATGGAGAATGGAGTGTGGGAAATGCCTTAGAAGGAGTGCATGTAG AAGAGGAAGAAGGAGAAAAAACAGAAGATGAATCTTTGGTAGAAAATAATGATAATGTAGATGAAACTGA AGGCTCAGAGGAAGAGGACAGAGAAAATGACAAGGCTGAAGAAACACCAAATGAATCAGTCTTGAAAA AAGTCTCTTCAAGAAAATGAAGAGGAGGAGATAGGGAATTTGGAAGTGCCTGGGATATGCTGGATTTAG CCAAGATCATTTTTAAGAGGCAAGAAAACAAAAGAAGCCAGCTTTATGCTGCACAAGCCCATCTTAACT TGGAGAAGTTAGTGTGAATCTGAGAATTATATCCAAGCTGTGGAGGAGTTTCAGGCTTGCCTAAGCCTG CAAGAACAATATTTGGAAGCTCACGATCGTCTCCTTGCAGAGACTCACTACCAATTAGGTTTGGCCTATG GTTACAACCTCAGTATGATGAAGCAGTAGCACAGTTTGGCAAATCTATCGATGTCATTGAAAAGAGAAT GGCTGTACTCCATGAGCAGATGAAGGAGGCCGAAGGATCGTTTACTGAATATGAGAAAGAAAATTGAGGAG CTGAAAGAAGTGTACCTGAAATTCGAGAGAAGATAGAAGACGCAAGGAATCTCAGCGGAGTGGGAATG TAGCCGAAGTGGCACTGAAAGCTACTCTGGTGGAGAGCTACTTCCGGTTTCACTCCTAGTGGAGCTGG TGCCTCAGTATCCATGATTGCCAGTAGAAAACCAACAGATGGCGCTTCCATCAAATTTGTGACTGAT ATTTCCCATCTTGTGAGAAAGAAGAGGAAACAGAGGAAGAGAGTCCCGGAAGGATGATGCAAAGAAAG CTAAACAAGGCCAGAGGTGAATGGAGGCAAGTGGGATGCTGTCTCCAGTGGAAAAGGAAGTTTCAGAAAA CATGGAGGCCGAGGCTGAGAATCAGGCTGAGAGCCAAACAGCAGAGGGGACCGTGGAGTCTGCAGCTACA ATTAAGAAGCACTGCATGTTAAGAGGCGAGCAGAACCTTCTCCTGAGGAAAAGTGGTTTTGTACATAATG TATTTTTTCACTTTTGGGATTCTTTTTGTATAACTCCAATAAAGATTGTAGGCAACAAAAA AAAAAAA
Restriction Sites:	EcoRI-NotI
ACCN:	NM_001081475



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Insert Size:	1347 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:	BC004693 , AAH04693
RefSeq Size:	1548 bp
RefSeq ORF:	1347 bp
Locus ID:	50927
UniProt ID:	Q99MD9
Cytogenetics:	4 53.24 cM
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] Transcript Variant: This variant (1) differs in the 5' UTR and lacks an alternate in-frame exon in the coding region, compared to variant 2. It encodes isoform 1, which is shorter than isoform 2.