

## Product datasheet for **MC227616**

### Nasp (NM\_001284229) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nasp (NM\_001284229) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nasp  
**Synonyms:** 5033430J04Rik; A1131596; A1317140; D4Ertd767e; Epcs32; Nasp-T  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227616 representing NM\_001284229  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCACAGAGTCTACAGCCGCTGCTGCCATCGCCGCGGAGCTGGTTCCGCTGACAAAATTGAAGATG  
 CTCCTGCTCCTTCTACCTCGGCAGATAAAATGGAGAGTCTGGATGTGGATAGTGAAGCTAAGAACTACT  
 GGGATTAGGACAGAAACATCTGGTGATGGGTGACATTCCAGCAGCTGTTAATGCATTCCAGGAAGCAGCT  
 AGTCTTTAATGGAGAATGGAGTGTGGGAAATGCCTTAGAAGGAGTGCATGTAGAAGAGGAAGAAGGAG  
 AAAAAACAGAAGATGAATCTTTGGTAGAAAATAATGATAATGTAGATGAAACTGAAGGCTCAGAGGAAGA  
 GGACAGAGAAAATGACAAGGCTGAAGAAACACCAAATGAATCAGTTCTTGAAAAAAGTCTCTTCAAGAA  
 AATGAAGAGGAGGAGATAGGGAATTTGGAACCTGCCTGGGATATGCTGGATTTAGCCAAGATCATTTTTA  
 AGAGGCAAGAAACAAAAGAAGCCAGCTTTATGCTGCACAAGCCCATCTAAACTGGAGAAGTTAGTGT  
 TGAATCTGAGAATTATATCCAAGCTGTGGAGGAGTTTCAGGCTTGCCCTAAGCCTGCAAGAACAATATTTG  
 GAAGCTCAGGATCGTCTCCTTGCAGAGACTCACTACCAATTAGGTTTGGCCTATGGTTACAACCTCAGT  
 ATGATGAAGCAGTAGCACAGTTTGGCAAATCTATCGATGTCATTGAAAAGAGAATGGCTGTACTCCATGA  
 GCAGATGAAGGAGGCCGAAGGATCGTTTACTGAATATGAGAAAGAAATTGAGGAGCTGAAAGAAGCTGCTA  
 CCTGAAATTCGAGAGAAGATAGAAGACGCAAAGGAATCTCAGCGGAGTGGGAATGTAGCCGAAGTGGCAC  
 TGAAAGCTACTCTGGTGGAGAGCTCTACTTCCGGTTTCACTCCTAGTGGAGCTGGTGCCTCAGTATCCAT  
 GATTGCCAGTAGAAAACCAACAGATGGCGCTTCTCATCAAATTTGTGACTGATATTTCCCATCTTGTC  
 AGAAAGAAGAGGAAACAGAGGAAGAGAGTCCCCGGAAGGATGATGCAAAGAAAGCTAAACAAGAGCCAG  
 AGGTGAATGGAGGACAGTGGGGATGCTGTCTCCAGTGGAAAGGATTTTCAGAAAACATGGAGGCCGAGGC  
 TGAGAATCAGGCTGAGAGCCAAACAGCAGAGGGGACCGTGGAGTCTGCAGCTACAATTAAGCACTGCA  
 TGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001284229
<b>Insert Size:</b>	1266 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001284229.1</a></u> , <u><a href="#">NP_001271158.1</a></u>
<b>RefSeq Size:</b>	2037 bp
<b>RefSeq ORF:</b>	1266 bp
<b>Locus ID:</b>	50927
<b>UniProt ID:</b>	<u><a href="#">Q99MD9</a></u>
<b>Cytogenetics:</b>	4 53.24 cM
<b>Gene Summary:</b>	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 (3) differs in the 5' UTR and lacks two alternate in-frame exons in the coding region, compared to variant 2. It encodes isoform 3, which is shorter than isoform 2.