

## Product datasheet for **RC208783**

### **NASP (NM\_152298) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NASP (NM_152298) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NASP
Synonyms:	FLB7527; HMDRA1; PRO1999
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC208783 representing NM\_152298  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCATGGAGTCCACAGCCACTGCCGCCGTCGCCGCGGAGCTGGTTTCTGCCACAAAATTGAAGATG  
 TTCCTGCTCCTTCTACATCTGCAGATAAAGTGGAGAGTCTGGATGTGGATAGTGAAGCTAAGAACTATT  
 GGGTTTAGGACAGAAACATCTGGTGATGGGGGATATTCCAGCAGCTGTCAATGCATTCCAGGAAGCAGCT  
 AGTCTTTTAGGTAAGAAGTATGGAGAGACAGCTAATGAGTGTGGAGAAGCCTTCTTTTCTATGGGAAAT  
 CACTTCTGGAGTTGGCAAGAATGGAGAATGGTGTGTTGGGAAACGCCTTGGAAAGTGTGCATGTGAAGA  
 GGAAGAAGGAGAAAAACAGAAGATGAATCTCTGGTAGAAAATAATGATAACATAGATGAACTGAAGGC  
 TCAGAAGAGGATGATAAAGAAAATGATAAGACCGAAGAAATGCCAAATGATTCAGTCCTTAAAACAAGT  
 CTCTTCAAGAAAATGAGGAGGAGGAGATTGGGAACCTAGAGCTTGCCCTGGGATATGCTGGATTTAGCAA  
 GATCATTTTTAAAGGCAAGAAACAAAAGAAGCACAGCTTTATGCTGCCAGGCACATCTTAACTCGGA  
 GAAGTTAGTGTGAATCTGAAAACATATGTGCAAGCTGTGGAGGAGTTCAGTCTGCCTTAACTGCAGG  
 AACAGTACCTGGAAGCCACGACCGTCTCCTTGCAGAGACCCACTACCAGCTGGGCTTGGCTTATGGGTA  
 CAACTCTCAGTATGATGAGGCAGTGGCAGACTTCAAGAAATCTATTGAAGTCAATGAGAACAAGATGGCT  
 GTACTAAACGAGCAGGTGAAGGAGGCTGAAGGATCGTCTGCTGAATACAAGAAAGAAATTGAGGAACTAA  
 AGGAACTGCTACCCGAAATTAGAGAGAAGATAAGATGCAAAGGAGTCTCAGCGTAGTGGGAATGTAGC  
 TGAAGTGGCTCTGAAAGCTACTCTGGTGGAGAGTTCTACTTCAGGTTTCACTCCTGGTGGAGGAGGCTCT  
 TCAGTCTCCATGATTGCCAGTAGAAAGCCAACAGACGGTGTCTCCTCATCAAATTGTGTGACTGATTTT  
 CCCACCTTGTGAGAAAGAAGAGAAACAGAGGAAGAGAGTCCCGGAAAGATGATGCAAAGAAAGCCAA  
 ACAAGAGCCGGAGGTGAACGGAGGAGTGGGGATGCTGTCCCAGTGGAATGAAGTTTCGGAAAACATG  
 GAGGAGGAGGCTGAGAATCAGGCTGAAAGCCGGGACGAGTGGAGGGACAGTGGAGGCTGGAGCTACAG  
 TTGAAAGCACTGCATGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC208783 representing NM\_152298  
 Red=Cloning site Green=Tags(s)

MAMESTATAAVAAELVSADKIEDVPAPSTSADKVESLDVDSEAKKLLGLGQKHLVMGDIPAAVNAFQEA  
 SLLGKKYGETANECGEAFFFYGKSLLELARMENGLGNALEGVHVEEEGEKTEDESLVENNDNIDETEG  
 SEEDDKENDKTEEMPNDVLENKSLQENEEEEIGNLELAWDMLDLAKIIFKRQETKEAQLYAAQAHLKLG  
 EVSVESENYVQAVEEFQSCLNLQEYLEAHDRLLAETHYQLGLAYGNSQYDEAVAQFSKSIEVIENRMA  
 VLNEQVKEAEGSSAEYKKEIEELKELLPEIREKIEDAKESQSRSGNVAELALKATLVESSSTSGFTPGGGGS  
 SVSMIASRKPTDGASSNCVTDISHLVRKRKPEEESPRKDDAKKAKQEPEVNGGSGDAVPSGNEVSENM  
 EEEAENQAESRAAVEGTVEAGTVESTAC

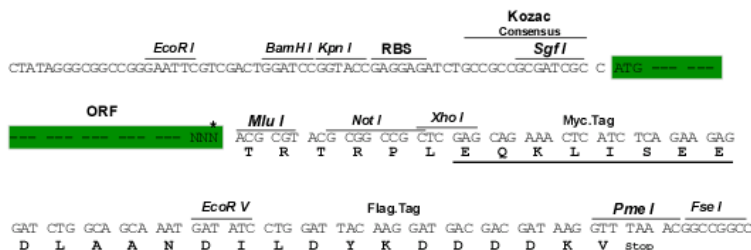
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_152298

**ORF Size:** 1347 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\\_152298.4](#)
**RefSeq Size:** 2284 bp

**RefSeq ORF:** 1350 bp

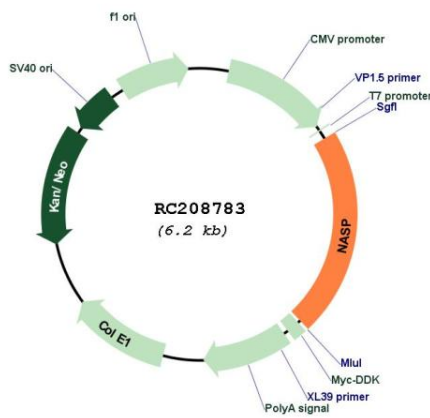
**Locus ID:** 4678

**UniProt ID:** [P49321](#)

**Cytogenetics:** 1p34.1  
**Domains:** TPR  
**MW:** 48.8 kDa

**Gene Summary:** This gene encodes a H1 histone binding protein that is involved in transporting histones into the nucleus of dividing cells. Multiple isoforms are encoded by transcript variants of this gene. The somatic form is expressed in all mitotic cells, is localized to the nucleus, and is coupled to the cell cycle. The testicular form is expressed in embryonic tissues, tumor cells, and the testis. In male germ cells, this protein is localized to the cytoplasm of primary spermatocytes, the nucleus of spermatids, and the periacrosomal region of mature spermatozoa. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC208783