

Product datasheet for **RC231392**

NASP (NM_001195193) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NASP (NM_001195193) 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:

>RC231392 representing NM_001195193
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCATGGAGTCCACAGCCACTGCCGCCGTCGCCGCGGAGCTGGTTTCTGCCACAAAATTGAAGATG
 TTCCTGCTCCTTCTACATCTGCAGATAAAGTGGAGAGAATGGAGAATGGTGTGGTGGAAAACGCCTTGG
 AGGTGTGCATGTGGAAGAGGAAGAGGAGAAAAACAGAAGATGAATCTCTGGTAGAAAAAATGATAAC
 ATAGATGAGGAAGCAAGGGAAGAGTTGAGAGAACAGGTTTATGACGCCATGGGAGAAAAAGAAGAAGCCA
 AAAAAACAGAAGACAAGTCTTTGGCAAAGCCTGAAACTGATAAAGAACAGGACAGTGAAATGGAGAAGGG
 TGGAAAGAGAAGATATGGATATAAGTAAATCTGCAGAGGAGCCACAGGAAAAAGTTGACTTGACTCTAGAT
 TGGTTAACTGAAACCTCTGAAGAGGCAAAGGAGGAGCAGCACCAGAAGGACCGAATGAAGCTGAGGTCA
 CTTCTGGGAAGCCAGAACAGGAAGTACCAGATGCTGAGGAAGAAAAATCAGTTTCTGGAAGTATGTCCA
 AGAAGAGTGCAGAGAAAAAGGAGGTCAGGAGAAGCAGGGAGAGGTAATTGTGAGCATAGAGGAGAAGCCA
 AAAGAAGTTTCAGAAGAGCAGCCTGTGGTACTCTAGAAAAGCAGGGCACTGCAGTGGAGGTAGAAGCAG
 AGTCTTTAGACCCGACAGTCAAGCCAGTGGATGTGGTGGGGACGAGCCAGAGGAGAAGGTAGTTACCTC
 TGAAAACGAGGCAGGAAAGGCGTTCTTGAACAACTGGTAGTCAAGAAGTACCACCTGCTGAAGAGTCA
 CCAGAGGTGACAACAGAGGCTGCAGAGGCTCAGCTGTAGAGGCTGGATCAGAAGTCTCTGAAAAGCCTG
 GGCAGGAGGCTCCAGTTCTCCCTAAGGATGGTGCAGTCAATGGACCGTCAGTTGTAGGAGATCAGACTCC
 TATTGAACCACAGACTTCTATAGAAAGACTGACAGAAAACAAAAGATGGCTCAGGACTAGAGGAGAAGGTC
 AGGGCAAAGCTGGTTCTAGTCAGGAGGAGACTAAGCTGTCTGTAGAAGAGTCTGAGGCAGCTGGAGATG
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 TGAAGAGACACAAGAGAGAGAAGAACAGATGAAAAGAGGGTGAAGAACTGAAGGCTCAGAAGAGGATGAT
 AAAGAAAATGATAAGACCGAAGAATGCCAAATGATTCAGTCTTGAACAAGTCTCTTCAAGAAAATG
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 GCAAGAAAACAAAAGAAGCACAGCTTTATGCTGCCAGGCACATCTTAACTCGGAGAAGTTAGTGTGAA
 TCTGAAAATATGTGCAAGCTGTGGAGGAGTCCAGTCTGCCTAACCTGCAGGAACAGTACCTGGAAG
 CCCACGACCGTCTCCTTGCAGAGACCCACTACCAGCTGGGCTTGGCTTATGGGTACAACCTCAGTATGA
 TGAGGCAGTGGCACAGTTCAGCAATCTATTGAAGTCAATGAGAACAGAATGGCTGTAACAAACGAGCAG
 GTGAAGGAGGCTGAAGGATCGTCTGCTGAATACAAGAAAGAAATTGAGGAACTAAAGGAACTGCTACCCG
 AAATTAGAGAGAAGATAGAAGATGCAAAGGAGTCTCAGCGTAGTGGGAATGTAGCTGAACTGGCTCTGAA
 AGCTACTCTGGTGGAGAGTTCTACTTCAGTTCCTCCTGGTGGAGGAGGCTCTTCAGTCTCCATGATT
 GCCAGTAGAAAGCCAACAGACGGTGTCTCCTCATCAAATTGTGTGACTGATATTTCCACCTTGTGAGAA
 AGAAGAGGAAACAGAGGAAGAGAGTCCCCGAAAGATGATGCAAAGAAAGCCAAACAAGAGCCGGAGGT
 GAACGGAGGCAGTGGGGATGCTGTCCCCAGTGGAAATGAAGTTTCGAAAAACATGGAGGAGGAGGCTGAG
 AATCAGGCTGAAAGCCGGGCAGCAGTGGAGGGGACAGTGGAGGCTGGAGCTACAGTTGAAAGCACTGCAT
 GT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231392 representing NM_001195193
 Red=Cloning site Green=Tags(s)

MAMESTATAAVAAELVSADKIEDVPAPSTSADKVERMENGVLGNALEGVHVEEEEGEKTEDESLVENNDN
 IDEEAREELREQVYDAMGEKEEAKKTEDKSLAKPETDKEQDSEMEKGGREDMDISKSAEPPQEKVDLTL
 WL TETSEEAKGGAAPGPNNEAEVTS GKPEQEV PDAEEEEKSVSGTDVQEECREKGGQEKQGEVIVSIEEK
 KEVSEEQPVVTLLEKQGTAVEVEAESLDPTVKPVDVGGDEPEEKVVTSENEAGKAVLEQLVGQEVPPAES
 PEVTTEAAEASAVEAGSEVSEKPGQEPVLPKDGAVNGPSVVDQTPIEPQTSIERLTETKDGSGLEEKV
 RAKLVPSQEETKLSVEESEAAGDGDVTKVAQGATEKSPEDKVQIAANEETQEREEQMKEGEETE GSEEDD
 KENDKTEEMPNDSVLENKSLQENEEEEIGNLELAWDMLDLAKIIFKRQETKEAQLYAAQAHLKLGESVSE
 SENYVQAVEEFQSCNLQEQYLEAHDRLLAETHYQLGLAYGNSQYDEAVAQFSKSIEVIENRMAVLENEQ
 VKEAEGSSAEYKKEIEELKELLPEIREKIEDAKESQRSGNVAELALKATLVESSTSGFTPGGGGSSVSMI
 ASRKPTDGASSNCVTDISHLVRKKRKP EEE SPRKDDAKKAKQEPEVNGGSGDAVPSGNEVSENMEEEAE
 NQAESRAAVEGTVEAGATVESTAC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001195193

ORF Size: 2172 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_001195193.1](#), [NP_001182122.1](#)

RefSeq ORF: 2175 bp

Locus ID: 4678

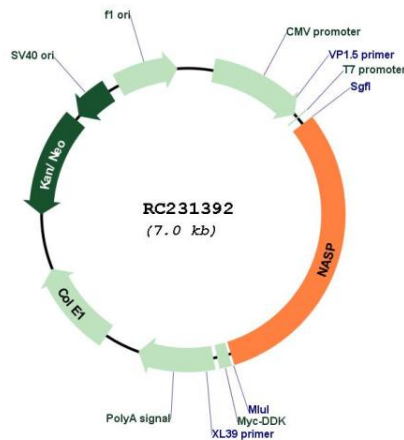
UniProt ID: [P49321](#)

Cytogenetics: 1p34.1

MW: 78.9 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 RC231392