

Product datasheet for **MG207154**

Nasp (BC004693) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nasp (BC004693) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nasp
Synonyms:	5033430J04Rik; AI131596; AI317140; D4Ertd767e; Epcs32; Nasp-T
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207154 representing BC004693
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCACAGAGTCTACAGCCGCTGCTGCCATCGCCGCGGAGCTGGTTCCGCTGACAAAATTGAAGATG
 CTCTGCTCCTTCTACCTCGGCAGATAAAATGGAGAGTCTGGATGTGGATAGTGAAGCTAAGAACTACT
 GGGATTAGGACAGAAACATCTGGTATGGGTGACATTCCAGCAGCTGTTAATGCATTCCAGGAAGCAGCT
 AGTCTTTTAGGTAAGAAGTATGGAGAACCGCTAATGAGTGTGGAGAAGCCTTCTTTTTTATGGGAAGT
 CACTTCTGGAGTTAGCCAGAATGGAGAATGGAGTGTGGGAAATGCCTTAGAAGGAGTGCATGTAGAAGA
 GGAAGAAGGAGAAAAACAGAAGATGAATCTTTGGTAGAAAATAATGATAATGTAGATGAACTGAAGGC
 TCAGAGGAAGAGGACAGAGAAAATGACAAGGCTGAAGAAACACCAATGAATCAGTTCCTGAAAAAAGT
 CTCTTCAAGAAAATGAAGAGGAGGAGATAGGGAATTTGGAACCTGCTGGGATATGCTGGATTTAGCCAA
 GATCATTTTTAAGAGGCAAGAAACAAAAGAAGCCAGCTTTATGCTGCACAAGCCCATCTTAAACTTGGA
 GAAGTTAGTGTTGAATCTGAGAATTATATCCAAGCTGTGGAGGAGTTTCAGGCTTGCCTAAGCCTGCAAG
 AACAAATTTTGGGAAGCTCACGATCGTCTCCTTGCAGAGACTCACTACCAATTAGGTTTGGCCTATGGTTA
 CAACTCTCAGTATGATGAAGCAGTAGCACAGTTTGGCAAATCTATCGATGTCATTGAAAAGAGAATGGCT
 GTACTCCATGAGCAGATGAAGGAGGCCGAAGGATCGTTTACTGAATATGAGAAAAGAAATTGAGGAGCTGA
 AAGAACTGCTACCTGAAATTCGAGAGAAGATAGAAGACGCAAAGGAATCTCAGCGGAGTGGGAATGTAGC
 CGAACTGGCACTGAAAGCTACTCTGGTGGAGAGCTCTACTTCCGGTTTCACTCCTAGTGGAGCTGGTGCC
 TCAGTATCCATGATTGCCAGTAGAAAACCAACAGATGGCGTTCCTCATCAAATTGTGTGACTGATATTT
 CCCATCTTGTGAGAAAGAAGAGGAAACCAAGAGAGTCCCGGAAGGATGATGCAAAAGAAAGCTAA
 ACAAGAGCCAGAGGTGAATGGAGCAGTGGGGATGCTGTCTCCAGTGGAAGGAAGTTTCAGAAAACATG
 GAGGCCGAGGCTGAGAATCAGGCTGAGAGCCAAACAGCAGAGGGGACCGTGGAGTCTGCAGCTACAATTA
 AAAGCACTGCATGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207154 representing BC004693
 Red=Cloning site Green=Tags(s)

MATESTAAAAIAAELVSADKIEDAPAPSTSADKMESLDVDSEAKKLLGLGQKHLVMGDIPAAVNAFQEEA
 SLLGKKYGETANECGEAFFFYGKSLLELARMENGLVGNALGVHVEEEEGEKTEDESLVENNDNDETEG
 SEEDRENDKAEETPNESVLEKKSLEQENEEEEIGNLELAWDMLDLAKIIFKRQETKEAQLYAAQHLKLG
 EVSVESENYIQAVEEFQACLSLQEYLAHDRLLAETHYQLGLAYGYSQYDEAVAQFGKSIDVIEKRMA
 VLHEQMKEAEGSFTEYEKEIEELKELLPEIREKIEDAKESQRSNGVAELALKATLVESSTSGFTPSGAGA
 SVSMIASRKPTDGASSNCVTDISHLVKRKRKPEEE SPRKDDAKKAKQPEPEVNGSGDAVSSGKEVSENM
 EAEAENQAESQTAEGTVESAATIKSTAC

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	<u>BC004693</u> , <u>AAH04693</u>
RefSeq Size:	1548 bp
RefSeq ORF:	1346 bp
Locus ID:	50927
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]