

Product datasheet for **MC202576**

Nes (NM_016701) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nes (NM_016701) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nes
Synonyms:	AA166324; C78523; ESTM46; Ifaprc2; Marc2; RC2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC062893 sequence for NM_016701
CGCTGGGTCACTGTCGCCGCTACTCCCTTTCTCCCCCTTAAAAGCTCCAAGGGCCACTCCCTTCTCTAGT
GCTCCACGTCCGCTTGCCTCGGGGGCCAGACCAGCAGACATGGAGGGTTGCGTCGGGAAGAATCTTTT
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CGACGAGCTGGCAGCCCTGCGGGTCTCGTCGATCAGCGCTGGCGGAGAAGCACGAGGCTGAGGTGCAG
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GGGACAGTAAAAAGCCCAGAAAAAGAAAAACAACACCACTGAAGTCTTTAGAAGAAAAGAAATGTAGAGG
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TTCCTCCCTTGAATAAAGCTGTATCCCTACCTACAAAAA
    
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- Restriction Sites:** Ascl-NotI
- ACCN:** NM_016701
- Insert Size:** 6100 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:**
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:** [BC062893](#), [AAH62893](#)
- RefSeq Size:** 6143 bp
- RefSeq ORF:** 6100 bp
- Locus ID:** 18008
- UniProt ID:** [Q6P5H2](#)
- Cytogenetics:** 3 38.78 cM
- Gene Summary:** Required for brain and eye development. Promotes the disassembly of phosphorylated vimentin intermediate filaments (IF) during mitosis and may play a role in the trafficking and distribution of IF proteins and other cellular factors to daughter cells during progenitor cell division (By similarity). Required for survival, renewal and mitogen-stimulated proliferation of neural progenitor cells.[UniProtKB/Swiss-Prot Function]