

## Product datasheet for **MC210357**

### Nosip (NM\_025533) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nosip (NM\_025533) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nosip  
**Synonyms:** 2310061K06Rik; CGI-25  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210357 representing NM\_025533  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACGGCGCATGGCAAGAAGTGCAGTGCAGGGGCGTCTACACCTACCACGAGAAGAAGGACACAG  
 CGGCTCGGGCTATGGACCCAGAACATTCGACTGAGCCGGGACGCTGTGAAAGACTTTGACTGCTGCTG  
 TCTCTCTGAGCCCTGCCATGACCCTGTGGTCACGCCAGACGGCTACCTGTATGAGAGGAAGCGATC  
 CTGGAGTACATCCTGCACCAGAAGAGAGATCGCCCGGAGGTGAAGGCCTATGAGAAGCAGCAGGAG  
 CGAGGAGAGAAGAGCAGAAAGAGCTGCAGCGAGCTGCAGCCAGGACCAAGTTAGAGGCTTCTAGAGAA  
 GGAGGGCGCCATCGTGAGCCGGCCCTCAACCCCTTATGCCAAGGCTGCCACCTTGCCCAACACAGAG  
 GGTGAACAGCCAGGGCCAGTGTGGTCCCCTAGGCAAGGACAAGGACAAGCAAGCAAGCAAGCAAGCAAG  
 TCCCTCACTAACGCCCAGGCAAAGGCCACCAAGCTGGAAAAGCCGTCGCCGACGGTGACCTGCCCGAT  
 GTCCGGAAGCCACTGCGCATGTCGGACCTGACGTCAGTGCCTTCACGCAGCTGGACGACTCTGTGGAC  
 CGCGTGGGACTCATCACACGAGTGAGCGCTACGTTTGCAGTGACCCGAGACAGTCTGAGCAATGCCA  
 CGCGTGCGCAGTGTGCTCCCTCTGGGGCTGTGGTACCCTGGAGTGTGTTGAGAACTGATCCGGAA  
 GGACATGGTGGACCCCGTGAATGGGGACAGCTGACAGAGCGGACATCATCGTGTGCAGCGGGCGGC  
 ACCGGCTTTGCGGGCTCCGGAGTGAAGCTACAGGCAGAAATGTCTCGGCCAGTGATGCAGGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_025533  
**Insert Size:** 906 bp



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<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>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_025533.3</a></u> , <u><a href="#">NP_079809.1</a></u>
<b>RefSeq Size:</b>	2134 bp
<b>RefSeq ORF:</b>	906 bp
<b>Locus ID:</b>	66394
<b>UniProt ID:</b>	<u><a href="#">Q9D6T0</a></u>
<b>Cytogenetics:</b>	7 B3
<b>Gene Summary:</b>	<p>E3 ubiquitin-protein ligase that is essential for proper development of the forebrain, the eye and the face. Catalyzes monoubiquitination of serine/threonine-protein phosphatase 2A (PP2A) catalytic subunit PPP2CA/PPP2CB (PubMed:25546391). Negatively regulates nitric oxide production by inducing NOS1 and NOS3 translocation to actin cytoskeleton and inhibiting their enzymatic activity (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>