

Product datasheet for **MC210358**

Nosip (NM_001163684) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nosip (NM_001163684) 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: >MC210358 representing NM_001163684
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACGGCGCATGGCAAGAAGTGCAGTGCAGGGGCGTCTACACCTACCACGAGAAGAAGAAGGACACAG
CGGCCTCGGGCTATGGGACCCAGAACATTCGACTGAGCCGGGACGCTGTGAAAGACTTTGACTGCTGCTG
TCTCTCTGTCAGCCCTGCCATGACCCTGTGGTCACGCCAGACGGCTACCTGTATGAGAGGAAGCGATC
CTGGAGTACATCCTGCACCAGAAGAGAGATCGCCCGCAGGTGAAGGCCTATGAGAAGCAGCGAGGAG
CGAGGAGAGAAGAGCAGAAAGAGCTGCAGCGAGCTGCAGCCCAGGACCAAGTTAGAGGCTTCCTAGAGAA
GGAGGCGGCCATCGTGAGCCGGCCCTCAACCCCTTCATGCCCAAGGCTGCCACCTTGCCCAACACAGAG
GGTGAACAGCCAGGGCCAGTGTGGTCCCCTAGGCAAGGACAAGGACAAAGCACTGCCAGCTTCTGGA
TTCCCTCACTAACGCCCAGGCAAAGGCCACCAAGCTGGAAAAGCCGCTGGACGACTCTGTGGACCGCGT
GGGACTCATCACACGAGTGCAGCGCTACGTTTGCAGTGCAGCCGAGACAGTCTGAGCAATGCCACGCCG
TGCGCAGTGTGCGTCCCTCTGGGGCTGTGGTCAACCCTGGAGTGTGTTGAGAACTGATCCGGAAGGACA
TGGTGGACCCCGTGAATGGGGACAGCTGACAGAGCGCGACATCATCGTCTGCAGCGGGGCGCACCGG
CTTTGCGGGCTCCGGAGTGAAGCTACAGGCAGAAATGTCTCGGCCAGTGATGCAGGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001163684
Insert Size: 831 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:	<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:	NM_001163684.1 , NP_001157156.1
RefSeq Size:	2059 bp
RefSeq ORF:	831 bp
Locus ID:	66394
UniProt ID:	Q9D6T0
Cytogenetics:	7 B3
Gene Summary:	<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 (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. This results in a shorter protein (isoform 2) compared to isoform 1.</p> <p>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>