

## Product datasheet for MC212567

### Inpp5a (NM\_183144) Mouse Untagged Clone

#### Product data:

|                      |   |
|----------------------|---|
| Product Type:        | Expression Plasmids   |
| Product Name:        | Inpp5a (NM_183144) Mouse Untagged Clone   |
| Tag:                 | Tag Free  |
| Symbol:              | Inpp5a  |
| Vector:              | pCMV6-Entry (PS100001)  |
| E. coli Selection:   | Kanamycin (25 ug/mL)  |
| Cell Selection:      | Neomycin  |
| Fully Sequenced ORF: | >MC212567 representing NM_183144<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGGGAAGGCGGCCGCCCGCCCGCACCGGGTCTGCTGGTCACGGCCAACGTGGGCTCGCTCTTCG  
ACGACCCAGAAAACCTGCAGAAGAACTGGCTTCGGGAATTTACCAGGTCCTGCACACACAAGCCTCA  
CTTCATGGCCTTGCACTGCCAAGAATTTGGAGGGAAAACTACGAGGCCTCCATGTCCCATGTGGACAAA  
TTTGTCAAAGAATACTATCCAGTGACGCAATGAAAGAATAACAACAGGGCGCGTGTCTACCTGGATGAAA  
ACTACAAGTCACAGGAACACTTCACGGCACTAGGAAGCTTTTATTTTCTCACGAATCCTTAAAAACAT  
CTACCAGTTTGACTTTAAAGCTAAGAAGTATAAAAAAGTCACTGGCAAGGAGATCTATTCGGACACTTTG  
GAGAGCACACCCATGCTGGAGAAGGAGAAGTCCACAGGACTACTTTCCTGAGTGCAAATGGTCAAGAA  
AAGGCTTCATCAGGACGCGGTGGTGCATTGCTGACTGTGCCTTCGACTTGGTGAACATTCATCTTTTTCA  
TGATGCATCCAATAGTGGCCTGGGAGACAAGCCCTCAGTGTACTCCGGTGCAGGCACAAGGCTCTG  
GGCTATGTCTGGACAGAATCATCGACCAGCGATTTGAGAAAGTTTCTACTTTGTCTTCGGTGATTCA  
ACTTCCGCTGGATTCCAAGTCTGTCGTAGAGACTCTGCACAAAGGCCACAATGCAGACAGTCCGCGC  
TGCTGATACCAATGAAGTTGTAAGTTGATATTTCCGGAGTCAGACAATGACCGGAAGGTCGTGCTCCAG  
TTGAAAAGAAGCTCTTCGACTACTTCAACCAGGATGTCTTCCGGGACAACAACGGCACTGCGCTCTTGG  
AATTTGACAAGGAGTTGTCTGTCTTTAAGGACAGACTGTATGAACTGGACATCTCATTCCCCCAGCTA  
CCCGTACAGTGAGGACTCCAGCCAGGGAGAAGCAGTACATGAACACGAGATGCCCTGCTTGGTGTGATCGC  
ATCCTCATGTCCCTGTCTGCCAAGGAGCTGTTCTTAAGTCAGAGAGCGAGGAGAAGGTTGCCACCTACG  
ACCACATCGGGCCTAATGTCTGCATGGGAGACCACAAGCCGGTGTTCCTGGCCTCCGAATCGCACCTGG  
GGCAGGGAAGAGGTGCCAGCGCCCGGAGAGGATCCTCGAGAGGCCCTCCCTGTAGCAGTGTATCCAACCTCA  
TCCTCCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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|                               |  |
|-------------------------------|--|
| <b>ACCN:</b>                  | NM_183144  |
| <b>Insert Size:</b>           | 1269 bp  |
| <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_183144.3</a></u> , <u><a href="#">NP_898967.2</a></u>  |
| <b>RefSeq Size:</b>           | 2792 bp  |
| <b>RefSeq ORF:</b>            | 1269 bp  |
| <b>Locus ID:</b>              | 212111   |
| <b>UniProt ID:</b>            | <u><a href="#">Q7TNC9</a></u>  |
| <b>Cytogenetics:</b>          | 7 F4   |
| <b>Gene Summary:</b>          | <p>Phosphatase that specifically hydrolyzes the 5-phosphate of inositol 1,4,5-trisphosphate to inositol 1,4-bisphosphate, and inositol 1,3,4,5-tetrasphosphate to inositol 1,3,4-trisphosphate (PubMed:26051944). Plays a crucial role in the survival of cerebellar Purkinje cells (PubMed:26051944).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region that results in a frameshift compared to variant 1. The resulting protein (isoform b) is longer and has a distinct C-terminus compared to isoform a.</p> |