

Product datasheet for RN201270

Inpp5a (NM_001108923) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inpp5a (NM_001108923) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Inpp5a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN201270 representing NM_001108923 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGGAAGGCGGCCGCCCGCCCGGCACCGCGGTCTGCTGGTCACGGCCAACGTGGGCTCGCTCTTCG
ACGACCCAGAAAACCTGCAGAAGAAGTGGCTTCGGGAATTTACCAGGTCCTGCACACACAAGCCTCA
CTTCATGGCCTTGCACTGCCAAGAATTCGGAGGGAAAACTATGAGGCCTCCATGTCTCATGTGGACAAA
TTTGTCAAGGAAGTACTGTCCAGTGTGCAATGAAAGAATACAACAGGGCTCGTGTCTACCTGGATGAAA
ACTACAAGTCCCAGGAGCACTTCACGGCACTAGGAAGCTTTTATTTTCTCATGAATCCTTAAAAAACAT
CTACCAGTTTGACTTTAAAGCTAAGAAGTATAAAAAAGTCACTGGCAAGGAGATCTATTCGGACACTTTG
GAGAGCACACCCATGCTGGAGAAGGAGAAGTCCACAGGACTACTTTCCGAGTGCAAATGGTCAAGAA
AAGGCTTCATCAGGACGCGGTGGTGCATTGCTGACTGTGCCTTCGACTTGGTGAACATCCATCTTTTTCA
TGATGCATCCAACCTAGTGGCCTGGGAGACAAGCCCTCTGTGTACTCGGGTGTGAGGACAAAGGCTCTG
GGCTATGTGCTCGACAGAATCATCGACCAGCGATTTGAAAAAGTTTCTACTTTGTCTTCGGTGATTTCA
ACTTCGCCTGGATTCCAAGTCTGTTGTAGAGACTTTGCACAAAGGCCACAATGCAGACAGTCCGGGC
TGCTGATACCAATGAAGTTGTAAGTTGATATTCGGGAGTCAGACAATGACCGTAAGGTCGTGCTCCAG
TTGGAAAAGAAGCTCTTCGACTACTTCAACCAGGACGTCTCCGGGACAACAATGGCACTGCGCTCTTGG
AATTTGACAAGGAGTTGTCTGTCTTAAAGGACAGACTGTATGAACTGGACATCTCATTCCCCCCAGCTA
CCCGTACAGTGAGGACTCCAGCCAGGGAGAACAGTACATGAACACGAGATGCCCCGCTTGGTGTGATCGA
ATCCTCATGTCCTGTCTGCAAGGAGCTGGTTCTTAAGTCAGAGAGCGAGGAGAAGGTTGCCACCTACG
ACCACATCGGGCCTAACGCTGTCATGGGAGACCACAAGCCGGTGTTCCTGGCCTTCCGAATCGCACCCGG
GGCAGGTAACCTCACGCCATGTACACAAGTGTGTGTCGTGCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001108923
Insert Size:	1239 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:	<u>NM_001108923.2</u> , <u>NP_001102393.1</u>
RefSeq Size:	2825 bp
RefSeq ORF:	1239 bp
Locus ID:	365382
UniProt ID:	<u>D3ZZX1</u>
Cytogenetics:	1q41
Gene Summary:	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:8626616). Plays a crucial role in the survival of cerebellar Purkinje cells (By similarity).[UniProtKB/Swiss-Prot Function]