

Product datasheet for **RR209434**

PIIp (NM_022533) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PIIp (NM_022533) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: PIIp
Synonyms: Tm4sf11
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209434 representing NM_022533
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGAGTCCCGTCGAAAGTGAGCACCAGGACCAGCAGCCCCGCGCAGGGCGTGGGAGCATCTGTGT
 CTGGATGCGACCGGACCTGGGCTTTGTGCGCTCCGCCCTGGGGTGCTCGCGCTTCTGCAGCTGGTGTCT
 GGGGCTGCTGGTGTGGGCTTGATTGCTGACACCCATACCACCTGTATCCTGCCTACGGCTGGGTATG
 TTTGTAGCTGTCTTCTCTGGCTGGTAACAATTGTCTTCTTCATCATCTACCTGTTCAACTGCACATGA
 AGTTGTATATGGTGCCCTGGCCGTTGGTGTACTGGTCTTCTTTGTTGCTGCCACCGTCTCTATATCAC
 CGCCTTTGTGCGCTGTGCGGCGGCGGTGATCTGACATCCCTGAGGGGCTCCCGACCGTACAACCAGCGC
 TCGGCTGCCTCTTTCTTTGCTTGTCTGGTGATGATTGCCTACGGACTGAGTGCTTTCTTCAGCTCCAGG
 CCTGGCGAGGAGTGGGCAGCAACGCGGCCACGAGTCAGATGGCTGGGGGCTACTCT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209434 representing NM_022533
 Red=Cloning site Green=Tags(s)

MAEFPSKVSTRTSSPAQGVGASVSAMRPDLGFVRSALGVLALLQLVLGLLVWAL IADTPYHLYPAYGWVM
 FVAVFLWLVTIVFFIIYLFQLHMKLYMVPWPLVLLVFFVAATVLYITAFVACAAAVDLTSLRGRSPYNQR
 SAASFFACLVMIAYGLSAFFSFQAWRGVGSNAATSQMAGGYS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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_022533.1 , NP_071978.1
RefSeq Size:	1475 bp
RefSeq ORF:	549 bp
Locus ID:	64364
UniProt ID:	P47987
Cytogenetics:	19p13
MW:	19.8 kDa
Gene Summary:	induces the formation of voltage dependent K ⁺ selective ion channels in lipid bilayers; may play a role in myelination [RGD, Feb 2006]