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Product datasheet for RN210628

Arhgef11 (NM_023982) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef11 (NM_023982) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef11
Synonyms:	Gtrap48
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN210628 representing NM_023982 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGCATACGATTGCCCCATAGTATAGACAGATCAGCCAGTAAAAAGCAGTCTCACCTGTCCAGTCCCA TTGCATCCTGGTTAAGTAGCCTGTCTTCTCTGGGAGATTCTACACCTGAACGCACATCCCCTTCTCACCA CCGCCAGCCCTCTGACACTTCTGAGACAACAGCAGGTCTTGTTCAGCGCTGTGTCATCATCCAAAAGGAC CAGCATGGCTTTGGCTTCACAGTTAGTGGAGATCGCATTGTACTGGTGCAGTCCGTGCGCCCTGGAGGCG CAGCCATGAAAGCTGGTGTGAAAGAGGGTGACCGGATCATCAAAGTAAACGGCACCATGGTGACCAATAG CTCACACCTGGAGGTGGTAAAGCTTATCAAATCTGGCGCCTATGCTGCGCTTACCCTCCTAGGCTCTTCT CCTCCCTCCGTCGGCGTCTCTGGGCTCCAGCAGAATCCATCTGTGGCAGGAGTGCTCAGAGTTAACCCCA TCATTCCTCCACCACCTCCCCCGCCACCCTTGCCACCTCCACAGCACATTACTGGACCCAAACCTCTTCA GGATCCTGAAGTCCAAAAGCACGCCACTCAAATCCTCTGGAATATGCTAAGACAGGAGGAGGAAGAGTTA CAGGACATACTTCCACCCTGTGGTGAGACCAGTCAGAGAACATGTGAGGGCCGCCTCTCTGTGGACTCCC AGGAGGCAGACAGTGGCTTGGATTCTGGGACAGAACGCTTTCCCTCCATCAGTGAGTCATTGATGAATCG GAACTCAGTATTGTCAGATCCTGGACTAGACAGCCCTCAAACCTCCCCTGTAATCCTGGCCAGGGTGGCC CAGCACCACAGGCGACAGGGCTCAGATGCAGCGTTGCTCCCGCTCAACCACCAGGGTATAGATCAAAGCC CAAAGCCTCTGATTATTGGCCCAGAGGAAGATTATGACCCAGGTTATTTCAACAATGAGAGTGACATCAT CTTCCAAGATCTTGAAAAACTGAAGTCACATCCAGCTTACTTGGTAGTTTTTCTACGTTACATCCTCTCT CAGGCAGACCCTGGCCCCCTGCTTTTTTATTTGTGTTCAGAAGTTTATCAACAGACAAATCCCAAAGATT CCCGAAGTCTGGGGAAAGACATCTGGAACATTTTCCTGGAGAAAAATGCGCCTCTCAGAGTGAAGATCCC TGAGATGTTGCAGGCTGAAATTGACCTACGCCTGCGGAACAATGAGGACCCTCGCAATGTGCTCTGTGAA GCTCAGGAGGCAGTCATGCTGGAAATCCAGGAGCAGATCAACGACTACAGATCCAAGCGTACTCTGGGCC TGGGCAGCCTCTATGGTGAAAATGACCTGCTAGGCCTGGATGGGGACCCTCTTCGAGAACGCCAAATGGC TGAGAAGCAGCTGGCTGCCCTTGGAGATATCTTGTCCAAATATGAGGAAGATCGGAGTGCCCCCATGGAC TTTGCTGTTAATACCTTTATGAGCCACGCTGGGATCCGTCTTCGGGAGTCTCGATCCTCCTGCACGGCAG

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TGCCACTGACACAGCTGTGTCACCAGGACCATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_023982

Insert Size: 4584 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:	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_023982.1, NP_076472.1
RefSeq Size:	4584 bp
RefSeq ORF:	4584 bp
Locus ID:	78966
UniProt ID:	Q9ES67
Cytogenetics:	2q34
Gene Summary:	binds the intracellular carboxy-terminal domain of cerebellar glutamate transporter EAAT4; may modulate glutamate transporter activity [RGD, Feb 2006]