

Product datasheet for RN202259

Dlgap4 (NM_173145) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlgap4 (NM_173145) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dlgap4
Synonyms:	DAP-4; Dap4; SAPAP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN202259 representing NM_173145 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAAAGGCTCGGTGACAGCCGCCCCGCCACCTCTCCGACAGCCTGGACCCACCTCATGAGCCCTCT
 TTGCCGGGCTGACCGCAACCCCTACCTGCTGTCGCCCACCGAGGCCTTTGCCCGGAAGCCGTTTCCC
 TGGGCAAAACACACTGCCGGGGATGGGCTCTTCCCACTCAACAACAGCTGCCCCACCAAGCAGCACC
 TTTCCCCGGATCCACTATAACTCCCACTTTGAGGTGCCGAGGAAAGTCCGTTCCCAGCCATGCCAAG
 CCACCAAGATCAACCGGCTGCCTGCCAACCTCCTGGACAGTTTGAGAAACAACCTATCCACCGGGA
 TGGTTTCAGCACCTCCAGTTCCCCCGGGGCGAGGCCAAGGCCCGGGGTGAGAGTCCTGGCCGATTTCGC
 CACCTGGTCCACTCCGTCACGCTCTCTTCTTCACTAAGGCACCTCGATGGAGGGCACCACGGGAAGG
 TGGGTGGCAACGGCGGCAAGAAAGGTGTCTGGAGGACGGGAAAGGCCGGAGGGCCAAAAGCAAGGAACG
 GGCCAAGGCTGGGGAGCCCAACGGCGAAGCCGCTCCAACATCTCGGGCTGGTGGAGTTCGATGACAAC
 CTGGACGGTGAGGGTGGTGCTTCCGACGCGCCCTGCCTCGGGCTGATGACTCTGGGCCGCCAGCCAG
 AACGTACCCAGCCCCGCTACTTCATGCACGCCTACAACACCATCAGCGGACACATGCTCAAAACACCAA
 GAACACTACCACGAGCTGACTGCCCCACACCCCCGCTGCTCCCCCTGCTACCTGTCCCAGCCTTGGA
 GTGGGCACTGACCAACTATGTCAAACGTGTTTCATGGTCCACTCTGACCTCAGCCATGCCACGAGG
 TCTGCCAGAAGACCTCAGCCACTTTGGATAAGAGCCTGTGAAGTCCAAATCCTGTCAACAGGGTTTGGC
 CTACCTTACTTGAGGTGCCGGCGGAGGGGAGAGTGAGCACCACGCTGCTGTCCCCCTCGAGATATG
 GATAGCACCGCTGAGGGGCCGATCCCGTCCCGGCGCATGCGCAGTGGCAGCTATATCAAGGCCATGGGCG
 ACGAAGACAGTGATGAGTCTGGAGGTGGTAGCCCCAAGCCTTCTCCCAAGACTGCGGCACGGCGTCAGAG
 CTATCTGAGGGCCACGACGAGTCCCTGGGAGAGCAGAGCAACCCCGCAGGAGCTTGACCGCTTGGAT
 TCAGTGGACATGCCGCTGCCGTCAAGTACCCAGCTGGGAAGAGGACTACAACCCCATCAGTGACAGCC
 TCAATGACTCCGGCTGTATCAGCCAGGTTTTTGGACAGGCTTCCCTGATCCCTCAGTTGTTTGGCCATGA
 TCAACAGGTCCGGGAGGCAGACCTGAGTGACCAGTATGAGGCAGCCTGTGAGTCGGCCTGCAGTGAGGCT


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GAGTCGACAGCCGAGAGGCGCTCGACTTGTGCTGCCAGCTACTTCCGCTCACGCAGCCACAGCTACC
 TGCGAGCCATCCAGGCGGGCTGCTCGCAGGAGGAGGACAGTGTCTCCCTGCAGTCCCTCTCCCCACCGCC
 CAGCACCGGCAGCCTCAGCAACAGCCGTACACTTCCAAGTTCATCATGCCTAGTGGCATATAAGAAGACC
 CCACCACCGGTCCCTCCACGTACCACATCGAAACCGTTTCATCTCAGTTACCGTTCAGAGCAGTACTGAGT
 CTGCTCAGGACACCTACCTGGACAGTCAAGACCACAAGAGTGAAGTGACAAGCCAGTCCGGCTTGAGTAA
 CTCATCAGACAGCCTGGACAGCAGTACCCGGCCACCCAGTGTGACACGGGGTGAATTACGCCAGGCCCT
 GAGGCTCCAGAGCCACCCCTAAGCATGCAGCTCTGAAGAGTGAACACGGGACACTGACGAGCTCTGAGT
 CCCACTCCGAGGCGTCCCCAAAAGGAACTGTCAATAGGAATACAAGTTGACTGCATTTCAGCCAGT
 GCCAAAAGAGGAGCCAGTCCCGCTACCAAATTCAGTCCATCGGGGTTAGGTAGAGGACGACTGGCGA
 AGCAGCGCCCCCTCTCACAGCATGTCTCCCGTCGGGACACTGACTCCGATACCCAGGACGCCAATGACT
 CCAGTTGTAAGTCATCTGAGAGGAGTCTCCAGACTGTACCTCACACCCCAATTCATCAGCATTGATGC
 TGGCCCCGACAGGCCCCCAAGATTGCCAGATCAAGCGCAACCTCTCTATGGAGACAACAGCGACCT
 GCCCTGGAGGCATCTTCGCTGCCCCACCCGACCCTTGATGGAGACTTCTCCAGCTCCCAGCAGAGC
 CAGCTCAGCCAGGGGCTGCCGAGGGATGGCTACTGGTTCCTGAAGCTCCTTCAGGCTGAAACGGAGAG
 GCTGGAAGGATGGTGTCTCAGATGGACAAGGAGACCAAGAGAACAACCTCTCTGAAGAAGTCTTAGGA
 AAGTTCTCAGTGTGTGGGCAGCGCCAGTCTCTGATGTCCAGAAATTCACAGTTCCTGGGATTT
 GTGAGCAGAACTGAACCTGATGCCAACCCCGTCCGACAGCCAGGACCTGGCAGGGTCTGGGACCT
 GCTGCAGCTGTCCATTGAGGACATCAGCATGAAGTTTCGATGAGCTCTACCACCTCAAGGCCAACAGCTGG
 CAGCTGGTGGAGACCCCGAGAAGAGGAAGGAAGAGAAGAAACACCCCTCCAGTCCCGAAGAAGCCAG
 CCAATCCAAGGCGCAGTGAGCCGCGACAAGGCTCAGATGCGGGGACAAGCAGCGGCAGGAGGCCAG
 AAAGAGACTCTGGCCGCCAAGCGGCAGCATCTGTGCGGCAGAACTCGGCCACAGAGAGTGCAGACAGC
 ATCGAGATTTATGTCCTGAGGCCAGACCAGGCTCTAA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_173145
Insert Size:	2979 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:	<u>NM_173145.1, NP_775168.1</u>
RefSeq Size:	3348 bp
RefSeq ORF:	2979 bp

Locus ID: 286930

UniProt ID: [P97839](#)

Cytogenetics: 3q42

Gene Summary: binds neuronal cell guanylate kinase PSD-95/SAP90; may play a role in post synaptic density structure and synaptic function [RGD, Feb 2006]