

Product datasheet for **RN209927**

Dlg4 (NM_019621) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlg4 (NM_019621) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dlg4
Synonyms:	Dlgh4; PSD95; Sap90
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209927 representing NM_019621
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACTGTCTCTGTATAGTGACAACCAAGAAATACCGCTACCAAGATGAAGACACGCCCCCTCTGGAAC
 ACAGCCCGGCCACCTCCCAACCAGGCCAATTCTCCCCCTGTGATTGTCAACACGGACACCCTAGAAGC
 CCCAGGATATGAGTTGCAGGTGAATGGAACAGAGGGGAGATGGAGTATGAGGAGATCACATTGGAAGG
 GGTAACTCAGGTCTGGGCTTCAGCATCGCAGGTGGCACTGACAACCCGCACATCGGTGACGACCCGTCCA
 TTTTTATACCAAGATCATTCTGGTGGGGCTGCAGCCAGGATGGCCGCCTCAGGGTCAATGACAGCAT
 CCTGTTTGTAAATGAAGTGGATGTTGCGGAGGTGACCCATTGAGTGGGTGGAGGCCCTCAAAGAGGCA
 GGTTCATCGTTCGCCTCTATGTCATGCGCCGAAACCCAGCCGAAAAGGTGATGGAGATCAAATCA
 TCAAAGGGCCTAAAGGACTTGGCTTCAGCATTGCGGGGGCGTTGGGAACCAGCACATCCCTGGAGATAA
 CAGCATCTATGTAAAGAAGATCATCGAAGGAGGTGCTGCCACAAGGATGGCAGGTTGCAGATTGGAGAC
 AAGATCCTGGCGGTCAACAGTGTGGGGTGGAGGACGTCATGCACGAGGATGCCGTGGCAGCCCTGAAGA
 ACACATATGACGTTGTGTACCTAAAGGTGGCAAGCCAGCAATGCCTACCTGAGTGACAGCTATGCTCC
 CCCAGACATCACAACTCGTATTCTCAGCACCTGGACAATGAGATCAGTCATAGCAGCTACTTGGGCACT
 GACTACCCACAGCCATGACCCCACTTCCCTCGGCGCTACTCCCTGTGGCAAGGACCTGCTGGGGG
 AGGAAGACATCCCGGGAACCAAGCGGATCGTGATCCATCGGGGCTCCACCGGCTGGGCTTCAACAT
 CGTGGGCGCGGAGGATGGTGAAGGCATCTTCATCTCCTTCATCCTTGCTGGGGTCCAGCCGACCTCAGT
 GGGGAGCTACGGAAGGGGACCAGATCCTGTCGGTCAATGGTGTGACCTCCGCAATGCCAGTCACGAAC
 AGGCTGCCATTGCCCTGAAGAATGCGGGTCAGACGGTCACGATCATCGCTCAGTATAAACCAGAAGAGTA
 TAGTCGATTTCGAGGCCAAGATCCATGATCTTCGGGAACAGCTCATGAATAGTAGCCTAGGCTCAGGGACT
 GCATCCTTGCGAAGCAACCCCAAGAGGGCTTCTACATTAGGGCCCTGTTTGATTACGACAAGACCAAGG
 ACTGCGGTTTCTGAGCCAGGCCCTGAGCTTCCGCTTCGGGGATGTGCTTCATGTCATTGACGCTGGTGA
 CGAAGAGTGGTGGCAAGCACGGCGGCTCCACTCCGACAGTGAGACCGACGACATTGGCTTCAATCCAGC
 AAACGGCGGGTCGAGCGACGAGAGTGGTCAAGGTTAAAGGCCAAGGACTGGGGCTCCAGCTCTGGATCAC
 AGGTCGAGAAGACTCGGTTCTGAGCTATGAGACGGTGACCCAGATGGAAGTGCATATGCTCGTCCCAT
 CATCATCCTTGGACCCACCAAGACCGTGCCAACGATGATCTTCTCCGAGTTCCTCCGACAAGTTTGA
 TCCTGTGTCCCTCATACGACACGTCCTAAGCGGGAATATGAGATAGACGGCCGGATTACCACTTTGTCT
 CCTCCCGGAGAAAATGGAGAAGGACATCCAGGCACACAAGTTCAATTGAGGCTGGCCAGTACAACAGCCA
 CCTCTATGGGACCAGCTCCAGTCTGTGCGAGAGGTAGCAGAGCAGGGGAAGCACTGCATCCTCGATGTC
 TCGGCCAATGCCGTGCGGCGGCTGCAGGCGGCCACCTGCACCCCATCGCCATCTTCATCCGTCCCGCT
 CCCTGGAGAATGTGCTAGAGATCAATAAGCGGATCACAGAGGAGCAAGCCCGAAAAGCCTTCGACAGAGC
 CACGAAGCTGGAGCAGGAGTTCACAGAGTGCTTCTCAGCCATCGTAGAGGGCGACAGCTTGAAGAGATC
 TATCACAAAGTGAACGTGTCATTGAAGACCTCTCAGGCCCTACATCTGGGTCCCAGCCCGAGAGAGAC
 TCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_019621
Insert Size: 2175 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_019621.1</u> , <u>NP_062567.1</u>
RefSeq Size:	3083 bp
RefSeq ORF:	2175 bp
Locus ID:	29495
UniProt ID:	<u>P31016</u>
Cytogenetics:	10q24
Gene Summary:	a molecular scaffolding protein that binds and clusters N-methyl-D-aspartate receptors at neuronal synapses; may be involved in guanine nucleotide-mediated signal transduction pathway [RGD, Feb 2006]