

Product datasheet for **MR231453**

Dlgap3 (NM_001302081) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlgap3 (NM_001302081) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dlgap3
Synonyms:	BC058433; DAP-3; DAP3; Prpl8; Sapap3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR231453 representing NM_001302081
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGGGTTACCATGGCGACCGAGGCAGCCATCCCCGCCAGCCCGCTTGTGCTACCAACAGCATATGG
 ACGTGGGCCCAGCTGCCAGGGCCCCGTACTGCTGGGCTCCAGGGAGGCCTTCTCCACCGAGCCCCGCTT
 CTGTGCTCCGAGAGCTGGCCTGGGACACCTTTCTCCAGAAGGACCCCTGAGCCTGAGTGAGGGTCCATCA
 TCAGTAGGCCCTGAGGGAGGCCAGGGGGGTGGGGGCTGGGGGAGGCAGCAGTACCTTCCCCAGGATGT
 ACCCCGGCCAGGGCCCCCTTGACACCTGTGAAGACTGTGTGGGCCACCCACAGGGCAAGGGTGCCACCCG
 ACTGCCTCCACACTCCTGGACCAGTTTAAAAGCAATTGCCAGTCCAACAAGATGGCTTCCACACACTC
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 ATCCCCGAGTTCATCCCTGGTACAGCCGTTCCCTCACAAGTGGACAGCTAAGCGAAGAGTTTAAACCA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231453 representing NM_001302081
 Red=Cloning site Green=Tags(s)

MRGYHGDGRGSHPRPARFADQQHMDVGPAAAPYLLGSREAFSTEPRFCAPRAGLGHLSPEGPLSLSEGPS
 SVGPEGGPGVGAGGGSSTFPRMYPGQGPFDTCEDCVGHPQKGATRLPPTLLDQFEKQLPVQDGFHTL
 PYQRGAPGPGPGSGAAPEARSESPSRIRHLVHSVQKLFKSHSLEAPGKRDYNGPKADGRGSSGGDSY
 SGPGGSTPTSHHHHHHHHHHHQSRHGKRSKSKDRKGDGRHQTKATGWWSSDDNLDSDSGFLGGRPPGE
 PGGPFCLDAPDGSYRDL.SFKGRSGGSEGRCLACTGMSMSLDGQSVKRSAWHTMMV SQGRDGYPGAGPGK
 LLGPETKAKARTYHYLQVPQDDWGGYPTGGKDGEIPCRMRSGSYIKAMGDEESGDSDGSPKTPKALAR
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 PGCFRMRSHSYLRAIQAGCSQDDCLPLLAAPASVSGRPGSSFNFRKAPPPIPPGSQAPPRISITAQSST
 DSAHESFTAAEGPARRCSSADGLDGPTMGARTLELAPVPPRASPKPPTLI IKTIPIGREELRSLARQRKWR
 PSIGVQVETISDSDTENRSRREFHSIGVQVEEDKRRARFKRSNSVTAGVQADLELEGLAGLATVATEDKA
 LQFGRSFQRHASEPQPGPRAPTYSVFRTVHTQGQWAYREGYPLPYEPPATDGSPGTPVPAPGPGSGRRD
 SWMERGSRSLPDSGRTSPCPRDGEWFIKMLRAEVEKLEHWCCQMEREAEDYELPEEILEKIRSAVGSTQL
 LLSQKVQFFRLCQQLDPTAFVPTFQDLAGFDLLQLSIEDVTLKFLLEQLKANSWKLLLEPKEEKV
 PPPIPKPSRGRGVPVKERSLDSVDRQRQEARKRLLAAKRAASFRHSSATESADSI EIYIPEAQTRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

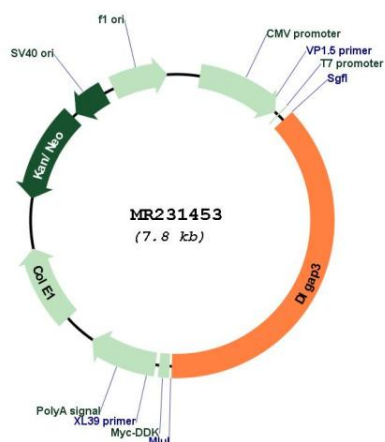


ACCN: NM_001302081

ORF Size: 2931 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001302081.1 , NP_001289010.1
RefSeq Size:	4223 bp
RefSeq ORF:	2934 bp
Locus ID:	242667
UniProt ID:	Q6PFD5
Cytogenetics:	4 61.33 cM
MW:	105.9 kDa
Gene Summary:	May play a role in the molecular organization of synapses and neuronal cell signaling. Could be an adapter protein linking ion channel to the subsynaptic cytoskeleton. May induce enrichment of PSD-95/SAP90 at the plasma membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231453