

Product datasheet for **SC315787**

SAP102 (DLG3) (NM_020730) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SAP102 (DLG3) (NM_020730) Human Untagged Clone
Tag: Tag Free
Symbol: DLG3
Synonyms: MRX; MRX90; NEDLG; PPP1R82; SAP102; XLMR
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_020730, the custom clone sequence may differ by one or more nucleotides

```
ATGGAGAGGGCCCGCAAGTTCTCGGGCTCCGGCTTGGCCATGGGCTTGGGCTCCGCCTCC
GCTTCGGCCTGGAGGAGGGCTTCGAGAGGTGGGCTGGCCGCTCCGCTCCCTGCGGCC
GGAGGGGATGCCAGAGAGCCTCGCAAGATCATCTGCACAAAGGCTCCACAGGCCTGGG
TTCAACATCGTAGGAGGAGAGGATGGAGAAGGCATTTTTGTCTCCTTCATCTGGCAGGA
GGCCAGCTGACCTGAGTGGGAGCTGCGCAGGGGAGACCGGATCTTATCGGTGAATGGA
GTGAATCTGAGGAATGCAACTCATGAGCAGGCTGCAGCTGCTCTGAAACGGGCCGGCCAG
TCAGTCACCATTGTGGCCAGTACAGACCTGAAGAATACAGTCGCTTTGAATCGAAGATA
CATGACTTACGAGAAACAATGATGAACAGCAGCATGAGCTCTGGGTCTGGTCCCTCCGA
ACAAGTAAAAAGAGGTCCTTGTATGTACAGGCCCTGTTTGATTATGATCGGACTCGGGAC
AGCTGCCTGCCAAGCCAGGGGCTCAGCTTCTTATGGTGACATTCTGCATGTCATTAAT
GCCTCTGATGATGAGTGGTGGCAGGCAAGGCTGGTGACCCACACGGAGAAAAGTGAAGCAG
ATCGGTGTGATCCCCAGTAAAGAAGGGTGGAAAAGAAAAGAAAGAGCTCGATTGAAAAC
GTGAAGTTCATGCCAGGACGGGGATGATTGAGTCTAACAGGTCGATCAAAACGAAACGT
AAAAAGAGTTCCGCCTCTCTCGAAAGTTTCCATTTTACAAGAGCAAAGAAAACATGGCC
CAGGAGAGCAGCATACAGGAACAGGGAGTGACATCCAACACCAGTGACAGCGAAAAGCAGT
TCCAAAGGACAAGAGGATGCTATTTTGTATATGAGCCAGTGACACGGCAAGAAATTCAC
TATGCAAGGCCTGTGATCATCTGGGCCAATGAAGGACCGAGTCAATGATGACCTGATC
TCCGAATTTCCACATAAATTTGGATCCTGTGTGCCACATACTACCCGGCCTCGACGTGAT
AATGAGGTGGATGGACAAGACTACCACTTTGTGGTGTCCCGAGAACAATGGAGAAAAGAT
ATTCAGGACAACAAGTTCATCGAGGCGGGCCAATTTAATGATAACCTCTATGGGACCAGC
ATCCAGTCAGTGCGGCAGTTGCAGAGAGGGGCAAGCACTGCATCTTAGATGTTTCCGGC
AATGCTATCAAGAGACTGCAGCAAGCACAACCTTTACCCATTGCCATTTTCATCAAGCCC
AAGTCCATTGAAGCCCTTATGGAATGAACCGAAGGCAGACATATGAACAAGCAAATAAG
ATCTATGACAAAGCCATGAACTGGAGCAGGAATTTGGAGAGTACTTTACAGCCATTGTA
CAGGGTGACTCACTGGAAGAGATTTATAACAAAATCAAACAAATCATTGAGGACCAGTCT
GGGCACTACATTTGGTCCCATCCCCTGAAAAACT
```

Restriction Sites: Please inquire

ACCN: NM_020730



[View online »](#)

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_020730.1 , NP_065781.1
RefSeq Size:	5068 bp
RefSeq ORF:	1539 bp
Locus ID:	1741
UniProt ID:	Q92796
Cytogenetics:	Xq13.1
Gene Summary:	<p>This gene encodes a member of the membrane-associated guanylate kinase protein family. The encoded protein may play a role in clustering of NMDA receptors at excitatory synapses. It may also negatively regulate cell proliferation through interaction with the C-terminal region of the adenomatosis polyposis coli tumor suppressor protein. Mutations in this gene have been associated with X-linked cognitive disability. Alternatively spliced transcript variants have been described. [provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and has multiple coding region differences, compared to variant 1. Translation initiates at an alternate AUG and results in an isoform (b) that is shorter and has a distinct N-terminus compared to isoform a.</p>