

Product datasheet for **MR208981**

Dpysl3 (NM_009468) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpysl3 (NM_009468) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dpysl3
Synonyms:	CRMP; CRMP-4; DRP-3; TUC4; U; Ul; Ulip; ULIP-1; Ulip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR208981 representing NM_009468 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTAAATGGAAGTGTAGTGACCAGTTCCTCCTCAGGTCTTCCCATCCACCAGTCTGGACTCCA
TGCTCTTTGGGATCTTCTTGTGATTTATATTCTACTGTGTGGGAAACCTTCTCATCTGATGGTGT
CAGGGTGGATCCCACCTCCACACCAATGTACTACTTCCACCAACCTCTCCTTTATTGACATGTGG
TTCTCCACAGTCACAGTGCTAAAATGCTGATGACTTTGGTGTCCACAGGGGGCGGGCTATCTCCTTCC
ATAGCTGTGTGGCACAGCTCTATTGCTTCCACTTCTGGGTAGCACCGAGTGTTCCTGTACACAGTCAT
GTCTATGATCGCTACCTGGCCATCAGTTACCCACTCAGGTACAGCAGCATGATGAGTGGGAGAGTGT
GCCCTCCTGGCAGCAGGAACATGGATCACTGGTCCCTGCACTCTGCTGTCCAGACTACACTGATTTTTC
ATTTGCCCTACTGTGGACCCAATGAGATTGAGCATTATTTCTGTGATGGACCACCCATCCTCAAGCTGGC
CTGTGCAGACACATCTGCCATCGAGATGGTCATCTTTGTGAACATTGGGGTAGTGGCTTCGGGCTGCTTT
TTTCTGATTTTCGCTGTCTATGTGTCCATTGTCTGCTCCATCCTGAGGATTTCGCACTTCAGAGGGCCGGC
ACAGAGCTTTCCAACATGTGCCTCACACTGCATCGTGGTCTCTGTTTCTTTGTGCCCTGTGTTTTTCAT
CTACCTGAGGCCAGGCTCCAGGGATGCTGTGGATGGAGTGGTACAGTTTTCTACACTGTGTTGACACCC
CTACTCAACCCTGTTGTGTACACCCTGAGGAACAAAGAGGTGAAGAAAGCACTGTTTAAACTCAAAGATA
AAGTAGCATTTTCTCAAAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR208981 representing NM_009468
Red=Cloning site Green=Tags(s)

MLNGSVVTTFFLSGLPHPPVLDSMLFGIFLVIYILTVLGNLLILMVRVDSHLHTPMYYFLTNLSFIDMW
 FSTVTVPKMLMTLVSTGGGAI SFHSCVAQLYCFHFLGSTECLYTVMSYDRYLAI SYPLRYSSMMSGRVC
 ALLAAGTWTGSLHSAVQTTLIFHLPYCGPNEIQHYFCGPPILKLACADTSAIEMVIFVNI GVVASGCF
 FLI SLSYVSIVCSILRIRTSEGRHRAFQTCASHCIVVL CFFVPCVFIYLRPGSRDAVDGVVTVFYTVLTP
 LLNPVYYTLRNKEYKKALFKLKDKVAFSQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9022_h11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009468

ORF Size: 930 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:

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 Size: 2076 bp

RefSeq ORF: 1713 bp

Locus ID: 22240

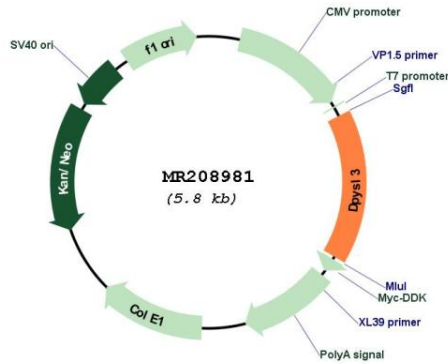
UniProt ID: [Q62188](#)

Cytogenetics: 18 B3

MW: 62.4 kDa

Gene Summary: This gene encodes a protein that belongs to the TUC (TOAD-64/Ulip/CRMP) family of proteins. Members of this family are phosphoproteins that function in axonal guidance and neuronal differentiation during development and regeneration of the nervous system. A mutation in the human gene is associated with amyotrophic lateral sclerosis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2014]

Product images:



Circular map for MR208981