

Product datasheet for **MR225693**

Ttll11 (NM_029774) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttll11 (NM_029774) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttll11
Synonyms:	4932702F08Rik; 4933424A20Rik; AU043211; D2Ertd624e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR225693 representing NM_029774
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGCGCGCAGCAGCCCGGAGAAGAAGCCGGAGGCTGAGTGGGAGCGGACGCGCGCGCGCGCGCGG
 CGACAGCAGCGCGACCGAGTCGCTACCGCGGAGACTGAGAAGCAGCAGGGCGTGGACGCTGGCGCGGC
 CGGGGATCCAGAGCGCCTGGAGCTGGAGGAGCAGCCCAAGGACGTGGGCCGGATCCCGACCCGACGCGA
 CGCCACGCGCCCGAGGAAGGAGAGGCCCGCGTCGTCGGCGGCTGCCACCAGCGCTGCCCTGGCCAGC
 CGAGGCCGCGCGCGCGGCCCTGAGCCAGCTCGTGAAGGCACGGGGCCGGAGCCGGAGCCGGGTCTACCG
 GCGGAGCGCAGGCTCGATGCGGCCGGTCAACGTCGACAGCTCCAAGGCCCGCACCTCCCTGGACGCGCTC
 AAGATCAGTCTTCGCCAGCTCAGGTGGAAGGATTCCATTTGGCCGGCGCTTGCCTTGATATCTACT
 GGCATGGAGTTTCATTTCTGACAGTGACATACTCCGGTCAAGTGAACAAATTTCCAGGCATGACGGA
 GATGGTGGTAAGGTACCTTGAGCCGAGCACTGAGGATCATGCAGAACCTGTTCCAGAGGAGTACAAC
 TTCTACCTCGCTCCTGGATCCTGCCAGAAGAGTTCAGCTCTTTGTGTCTCAGGTCCAAACGGTGAAG
 AAGGTGACCCCTCCTGGAAGCCACTTTTATTGTGAAACCGGATAGTGGTTGTCAGGGTGTGGAATCTA
 CCTCATTAAGGATCCCTGTGATGGTCGCCTGACTGGGACCCTCCATAACAGGCCGCGAGTGGTCCAGGAG
 TACATCCGCAAGCCCTCCTCATCGACAACTCAAGTTCGACATCCGCTGTATGTCTTGTGAGTCCCT
 TGGATCCCTTAGAGATTTATATTGCCAAAGATGGACTCTCTAGGTTTTGTACAGAGCCATATCAAGAACC
 TAACCCCAAGAACTGACACCATGCTTTATGCACCTGACCAACTACTCCCTGAATATCCACAGCGGCAAG
 TTTGTCCACTCTGACAGCGCCAGCACGGGAGCAAGAGGACTTTCTAGCATTCTTTGTAGACTGTCTT
 CCAAAAGTGTGGACATCAAGAAGGTCTGGTCTGATATCATCTCCTTAGTTATTAAGACTGTCATCGCCCT
 GACCCAGAGCTCAAAGTTTTCTACCAGTCAGACATCCCAACAGGAGGCCGGGGCCACCTGCTTCCAG
 ATTCTAGGCTTTGACATTCTTCTGATGAAAACTTGAAGCCTATGCTACTTGAAGTGAATGCAAACCCCA
 GCATGCGAATTGAGCATGAATACGAACTCTCTCCAGGAGTGTGGAAAATATCCCCAGCCTGGTGGATGA
 AGAGGTAAGGTGGCTGTGATCAGAGACAGCTGCGCCTCATGGACCCGCTGAAGAAGAAAAAGGAGATC
 CACTTTCCAGATATCTATATGGACAGAAAAACAGAAATCCTCCAGTTTCTGACAGAATGTCTTCATGGA
 AGCATAAGGGTTCCTCGCTTTCCATAGTCAGGTCTCAGCAGATGGAAAAGTCTTCACTTCAAAGGAAGA
 TCTGAACTGTGACCCGACTGGTGGTACTCCGAGCCCAACCCTGAAGCCCATCTGCCCTCCATTTGCCTC
 AAGCAGGTGTTCCCAAGTATGCCAAGCAGTTCAACTACTTGCCTCGTGGACAGGATGGCCAATTTGT
 TCATCCGATTTCTGGGAATCAAGGGGACGATGAAGTTGGGACCAACTGGCTTTCCGACCTCATAAGGAA
 CTGAAACTCAGCAGCAGCAGCCTGTCCATGGCAGCTGTGGACATCCTCTACATAGACATACAAGGAGG
 TGGAACTCGGTGACCGTGGACCAGCGGGACTCAGGGATGTGTCTGCAGGCATTTGTGCAAGCTTTCTTCT
 TCCTGGCCAGAGGAAGTTCAAGCTGCAACCTCTCCATGAGCAGGTGGCGTCTTGATTGACCTGTGTGA
 ATACCACCTGTCCGTGCTGGATGAAAAACGCTTGTGTGCCATCGGGGCCGGCCCTCCAAAGAAATCCG
 CCCCAGATGAACCGCCAGAGCATTAGCCACAGGCAGCTCTGCACCCGAGTAATCGGGGCTAGCAAGC
 TCTCTCAATCC

ACGCGTACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225693 representing NM_029774
 Red=Cloning site Green=Tags(s)

MRRSSPEKKPEAEWEADAAAAAATAAATESLPAETEKQQGVDAGAAGDPERLELEEQPKDVGRIPTPTR
 RHAPEEGEARVRRLLPPALPLAQPRPAARALSQLVKARGRSRSRVYRRSAGSMRPVTVDSKARTSLDAL
 KISLRQLRWKEFPFGRRLPCDIYWHGVSRDSDILSGQVNKFGMTEMVRKVTLRALRIMQNLFPPEEYN
 FYPRSWILPEEFQLFVSQVQTVKEGDPSWKPTFIVKPDSGCQGDGIYLIKDPDCGRLTGTLHNRPAVVQE
 YIRKPLLIDKLFDIRLYVLLKSLDPLEIYIAKDGLSRFCTEPYQEPNPQNLHHVFMHLTNYSLNIHSGK
 FVHSDSASTGSKRTFSSILCRLSSKGVDIKKVWSDIISLVIKTVIALTPELKVFYQSDIPTGRPGPTCFQ
 ILGFDILLMKNLKPMLLEVANPSMRIEHEYELSPGVFENIPSLVDEEVKAVAVIRDLRLMDPLKKKKEI
 HFPDIYMRKHRIPPVSDRMSSWKHKGSSLIVRSQQMEKSFTSKEDLNCPTGGDSEPNPEAHLPSICL
 KQVFPKYAQFNYLRLVDRMANLFI RFLGIKGTMKLGPTGFRTFIRNCKLSSSSL SMAVDILYIDITRR
 WNSVTVDQRDSGMCLQAFVEAFFLAQRKFKLQPLHEQVASLIDLCEYHLSVLDEKRLLRCHRRPLQRNP
 PQMNRPEHSATGSSAPRVI GASKLSQS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9102_e10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_029774

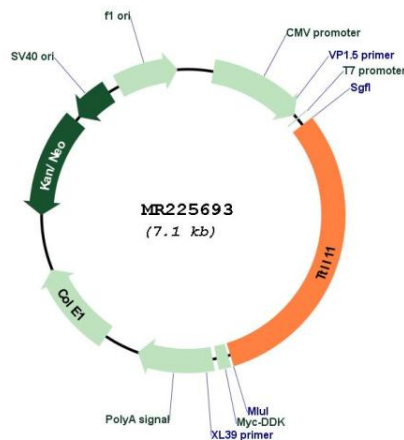
ORF Size: 2181 bp

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:	<u>NM_029774.3</u>
RefSeq Size:	3191 bp
RefSeq ORF:	2184 bp
Locus ID:	74410
UniProt ID:	<u>A4Q9F4</u>
Cytogenetics:	2 23.9 cM
MW:	82.4 kDa
Gene Summary:	Polyglutamase which preferentially modifies alpha-tubulin (PubMed:17499049). Involved in the side-chain elongation step of the polyglutamylation reaction rather than in the initiation step. Required for CCSAP localization to both spindle and cilia microtubules (PubMed:17499049). Generates long side-chains (PubMed:20530212).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225693