

Product datasheet for MR222941

Tdpoz4 (NM_207272) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tdpoz4 (NM_207272) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tdpoz4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222941 representing NM_207272 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC

ATGTCAGGGGAAGCTGGAAGCCAAGAGCAGGGGTGACACACAGAGCCATGAACAGAAATTGTGCTACAGGTGGACCATAGCAACTTCTCTTTTTTTGTTGAGGAAACGGGGAATATATTACAAGCCTAGTGTCTCATTAGAGGACAATGACAAAATGACATGGTGTGGAGAGTATACCCAACCGGGTTGATGAAAAAACAAGATACGTGTCACCTTATCTGATTTTGCTCAGCTGTGAAAAGGGCTCAGTTTGGCAAAGTTCGAGGTTTGATCTTAAATGCCAAGGGTAAAAATGCAATACAGAAAGGATCCCAAGCTTTCTAGAATACAGCCACACCA GCCCTTTGGATTGAAAAGTTCATCACTCGAGATTCCTTCTGTCTCCAGCCCAAGTGCTAACACCAGATGACAAATTTACCCTCCTCTGCAAGGTGAGCGTACTCCAAGACTCCTTCAGCATTCTGGACAGAACCCAA GACCTGCAATCAAGGTTACAAGGTGCACATTGGAAAATGACGTAGGGGAGCTGTGGGAGAATCCCCTCTCACAGACTGCTCCCTGTTGGTAGCTGGCCATGAATTCAGGGCTCACAAAGGCCATCCTGGCAGCTCGCTCTCCAGTTTTAGAGCCATGTTTGAACATGAAATGGAGGAGAGACTAACAACTGTGTTGAGATCCATGACC TGGATCCCAAGTCTTCAAGGAGATGATGGCTTCATCTACACAGGGAAGGTGCCACACCTCCACAGCCA CTCCATGGCCTGTGATCTGCTGGCAGCTGCTGACAGGTATGGCCTGGAGGACTTGATGGTCATGTGTGAG GATGCCCTGTGCAGGAGCCTCTCTGTGGAGAATGCTGCACACACTCATCGTGGCTGACCTCCACAGCA CAGAGCATCTGAAGACTCAGGCCCTGGATTTTATTATAGTTTATGCTTCTGAGGTCTCTAAGACCTCAGG GTGGATGTCAATGGTGGAGTACATCCCCGCTTGGTGGCTGAAGCATTTCACTCTCTAGCTTCTGCACAG CTGTTTTCTGGGCCCTCCCTTTCAAACAACCTAAGTGGTCTTTAAGACCTACTCAGCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222941 representing NM_207272
Red=Cloning site Green=Tags(s)

MSGELEAKSRGDTQSHEQKLCYRWTISNFSFFVEETEEYITSLVFSLEDNDKMTWCLRVPYPTGVDEKNKD
 YVSLYLILLSCKEKGSVWAKFEVCILNAKGEKCNTERIPFSFRIQPHQPFGEKFI TRDSFLSPAQVLT
 DKFTLLCKVSVLQDSFISGQNPRPAIKVTRCTLENDVWELWENPLFTDCSLLVAGHEFRAHKAILAARS
 PVFRAMFEHEMEERLTNCVEIHDLDPQVFKEMMGFIYTGKVPHLHSHSMACDLLAAADRYGLEDLMVMCE
 DALCRSLSVENAAHTLIVADLHSTHLKTQALDFIIVYASEVSKTSGWMSMVESHPRRLVAEAFHSLASQAQ
 RVFWALPFKQLKWSLRPTQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9072_a01.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_207272

ORF Size: 1110 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: [NM_207272.2](#), [NP_997155.2](#)

RefSeq Size: 1113 bp

RefSeq ORF: 1113 bp

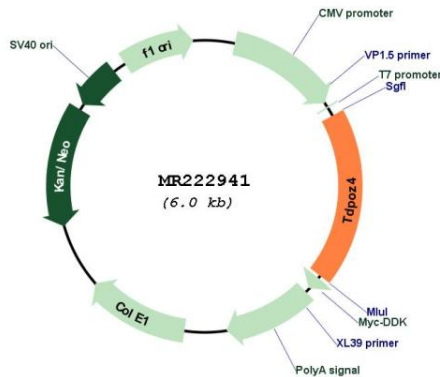
Locus ID: 399675

UniProt ID: [Q6YCH2](#)

Cytogenetics: 3 F2.1

MW: 42.2 kDa

Product images:



Circular map for MR222941