

Product datasheet for MC226200

Tcl1 (NM_001289468) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcl1 (NM_001289468) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tcl1
Synonyms:	Tcl1a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226200 representing NM_001289468 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTACCCAGCGGGCACACAGGGCAGAGACACCTGCACACCCCAACCGCCTGTGGATCTGGGAGAAGC
 ACGTGACTTGGATGAGTTTCGTCGAAGCTGGCTGCCCGTAGTCATCAAGAGTAATGAAAAATCCAGGT
 GATCTTGCGCCAGGAAGATGTCACCTTGGGGGAAGCTATGTCCCCCAGTCAGCTGGTGCCTTACGAGCTG
 CCTTTAATGTGGCAACTGTACCCAAGGACAGGTACCGAAGCTGCGACTCCATGTATTGGCAGATCCTGT
 ACCATATCAAGGTCCTGCAGCTCCTGTCTGCCTTGCCCGAGCCTGGCCCCACAGGGGAGATGTTGGTACT
 TATGTTCTGTCTGTTTCGCTAGTCATGTCTTTTTCCTCTACACTGGGCTCCAAGAAGAAACTCTGGCCA
 GACGCTGCCCCCTCCCATGCTGCTGTTGCCTGCTCGGCTGCCTTGTTGGTCCCTCAGCTCTGCTGACTC
 CCTGGCAAGGGGCTCCAGAGAAGATCCAGTTCTCCTCACCTCCTCTAGGTGCTCAGTGGTGTCTGTGCC
 TCTGATGATCTTAGCTGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001289468
Insert Size:	582 bp


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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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001289468.1</u> , <u>NP_001276397.1</u>
RefSeq Size:	1338 bp
RefSeq ORF:	582 bp
Locus ID:	21432
Cytogenetics:	12 55.28 cM
Gene Summary:	Enhances the phosphorylation and activation of AKT1 and AKT2. Enhances cell proliferation, stabilizes mitochondrial membrane potential and promotes cell survival (By similarity). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate exon in the 3' coding region, compared to variant 1. The resulting protein (isoform 2) has a longer and distinct C-terminus.