

Product datasheet for **MC220388**

Ttll10 (NM_029264) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttll10 (NM_029264) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ttll10
Synonyms:	4833412E22Rik; 4930595O22Rik; AU022799; BC042775; Ttll5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220388 representing NM_029264
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCTACACCCACAGGCCGGAAGGCCTCACAGAGATGGAAGGCTGGGACATCGGGCTGCTCGAAGAC
 CCCGAAGGGGTATAGGGACTACATCTGCCTCAAGGGTTCCTCGCCCTGGTGCCCTTATGCCTGCAACACG
 AAACCGTCCAAGATTCATCCACTGCCGGGTGACGCCCTCGAACCCGTGTCAGCTCCAAGAGATCCAAA
 CGGTCCAGAATCCATCCGTGCCACTGAGGTGCCAGGCTGGACCCATGAGAAACAGATGGGGAGCAGCG
 TCAAGGAAAGGCTCCGGCCTGAGCTAAGTCAGCTGGACCAAGATGCAGACGACCTGGAGGAAGAAGAAGC
 TGCCAGACTCCCAGTGACCTCCCGGACGGGCTCTGATGGAAGGAGACAAGCAGCCAGTCCCGGTGAG
 GGCCCTTTCTTACATTGGAGGCACCAACGGAGCATCAATAATCAGCACTACTGTGAGAGCAAGGGCT
 GGCAACGCACTCAGGACAGCCACTGTGAGGACTACAAGCTAAAGTGGTGTGAGATCAAGTGCAGGGACAA
 CTACTGCAGCTTCGGGAAGGCCAGCAGTTGCTGTTCCAGCTCCCAACAACAAGCTTCTTACGACCAAG
 ATCGGGTTGCTCAGTGCTCTGCGGGAGCAGCAGCAGCACTTGGAGCAAAGCCAGGATGCTGCCAGTACCC
 AAACCAAGGTCCTGAAAATGGAAGATTTTTTCCAGAGACCTATCGGCTGGACATCAGAGACGAGAGGCA
 GGCTTTCTTCGCTCTATTTGATGAAACCCAGATGTGGATCTGAAACCTACGGCCTCCAACCAAGGAAAAG
 GGCATCTTTCTGATCAGGAGCCAGGAGGAGGCTGCTGCCCTGCAGGCCAAGCCAGAGCATTGAGGATG
 ACCCCATCTACCGCAAGATGCCCTTCGGTGCACCACAGGCGGAGTGGTGAGAGATATGTCCAGAACCC
 GCTGCTGCTAGATGGGAAGAAGTTTGTGTGCGCTCTACATGCTCATTGCTGTGCCATGCCTTACATG
 GTCTTTTTGGCCATGGCTATGCCCGCCTCACCCCTCAGCCTGTATAACCCCTATTCCAGTGACCTCAGTG
 GTCATTTGACCAATCAGTTCATGCAGAAGAAGAGCCCCCTGTACACGCTGCTGAAGGAGAGCACCCTGTG
 GACCATGGAGCACCTCAACCGATACATCAATGACAAATTTAGGAAGACCAAGGGCCTCCCCAGAGATTGG
 GTCTTACCACCTTACGAAGCGGATGCAGCAGATCATGTCCACTGCTTCTGGCTGTCAAGTCCAAGC
 TGGAGTGAAGCTGGGCTACTTTGACCTCATTGGCTGTGACTTCTGATTGATGAAAACCTCAAGGTGTG
 GCTGCTGGAGATGAACGCCAACCTGCCCTGCATACCAACTGTGAAGTCTGAAGGCAGTGATCCCCGGA
 GTGGTTATAGAGACCTTGGACCTGGCGCTTGGACCTGCCAAAAGAGCTTGCACAGTCAAGAGATGCTGC
 CTCTGCTGTCACAGCGTCGCTTTGTGCTCTTTACAACGGGGAGACTACGGACTTGTGGCCGCGCTTGGC
 GAGCTCGCGCCCACTTAACCGCTTGCTAACCCCTCACCCCTAACCCCTAACCCCTAACCCCTCACCCCT
 CACCCTCACCCCTAACCCCTAACCCCTCACCCCTCACCCCTAACCCCTAACCCCTCACCCCTCACCCCT
 CCTGTGAAGCCGATCCTCTGCGCTTTCCTCCGCACGGGCGGCTATCTCAGAACGGCCTGGTGCACGCAA
 GTCGATGCCCTCCAGGGGAGTCCCGTGTGCACACCCCGCAAATCGCGGCTGTCTGACTCGAGCGGTAGC
 TCCATAGCGGAGTCTGAGCCCTCTCTGTTCTGGGTCCCTGGAAGGCAGCAGGGACACAGCCCGGGAAC
 CCTCCCTGGTCCGCCGAGGAGGAGCGGAGGAGGAACAGAGAAGTACGAGCCATCGAGGCTCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_029264
- Insert Size:** 2028 bp
- 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).
- 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_029264.2 , NP_083540.1
RefSeq Size:	2307 bp
RefSeq ORF:	2028 bp
Locus ID:	330010
UniProt ID:	A4Q9F3
Cytogenetics:	4 E2
Gene Summary:	<p>Polyglycylase which modifies both tubulin and non-tubulin proteins, generating side chains of glycine on the gamma-carboxyl groups of specific glutamate residues of target proteins. Polyglycylates alpha-tubulin and beta-tubulin, but is not able to initiate glycylation and only has activity toward monoglycylated tubulin. Has the ability to polyglycylate non-tubulin proteins such as NAP1; in this case it can initiate glycylation and does not require preliminary monoglycylation by another glycylyase.[UniProtKB/Swiss-Prot Function]</p>