

## Product datasheet for **MC200126**

### Taldo1 (NM\_011528) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Taldo1 (NM\_011528) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Taldo1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >BC004754 sequence for NM\_011528

```
>BC004754 sequence for NM_011528
CGGACGCGTGGGTCGCCATGTCGGGGTCCCCGGTAAAGCGCCAGAGGATGGAGTCCGCCTTGGACCAGCT
CAAGCAGTTCACCACCGTGGTGGCCGACACGGGTGATTTCAATGCCATCGATGAATACAAGCCCCAAGAT
GCCACCACCAACCCATCCCTGATCCTGGCTGCAGCCAGATGCCTGCCTACCAAGAGCTGGTAGAGGAGG
CCATTGCCTACGGCAAGAAGCTGGGTGGGCCTCAAGAGGAGCAGATTAATAAATGCCATTGACAACTTTT
TGTGCTGTTTGGAGCAGAAATATTAAGAAGATTCCAGGCCGTGTATCCACAGAAGTTGATGCAAGGCTT
TCCTTTGATAAGGATGCCATGGTGGCCCGAGCCAGGCGCCTCATCGAGCTTTACAAGAAGCTGGGGTGC
GCAAGGACAGAATTCTCATCAAGTTATCATCAACCTGGGAGGGGATTGAGGCTGGAAGGAGCTGGAGGA
ACAGCATGGCATCCACTGCAACATGACTGCTTTTCTCCTTCGCCAGGCTGTGGCCTGTGCTGAGGCG
GGCGTGACGCTCATCTCCCTTTGTGGGCGCATCCTTGATTGGCATGTGGCAAACACAGACAAGAAAT
CCTATGAACCCCAGGAGACCCTGGGGTCAAGAGTGTACCAAAATCTACAACACTACAAGAAGTTCGG
CTACAAGACCATTGTCATGGGCGCCTCCTTCCGCAACACGGGCGAGATCAAAGCACTGGCGGCTGTGAC
TTCTCACCATCTCCCCGAAGCTCCTGGGGAGCTGCTCAAGGATAACAGCAAGCTGGCGCCTGCGCTCT
CTGTCAAGGCGGCCAGACCAGTACTCGGAGAAGATACATCTGGACGAGAAGGCCTTCCGTTGGCTGCA
CAACGAAGACCAAATGGCCGTGGAGAAGCTCTCCGACGGCATCCGCAAATTTGCTGCTGATGCCATAAAG
TTGGAGCGGATGCTCACGGAACGAATGTTACGCGCTGAGAACGGGAAGTAGTGCAACACCCGAGGCCCA
GTCCTGCACCGAGGCTGACCCAGACCTGCACTGCCTTTGAGCTGGGTCTAATTGCACATGGCTTGTGA
CGAATGAATCTTGCAATTTTTAGTGATCGGAGAAGGGATGGATCATAGGATTCTGATTTTATGTGAAATT
TTGTCTAATTCATTAAGCAGTTGCTTTTCTAAAAA
```

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_011528  
**Insert Size:** 1014 bp



[View online »](#)

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC004754</a> , <a href="#">AAH04754</a>
<b>RefSeq Size:</b>	1238 bp
<b>RefSeq ORF:</b>	1014 bp
<b>Locus ID:</b>	21351
<b>UniProt ID:</b>	<a href="#">Q93092</a>
<b>Cytogenetics:</b>	7 F5
<b>Gene Summary:</b>	This gene encodes a key enzyme of the nonoxidative pentose phosphate pathway that provides ribose-5-phosphate for nucleic acid synthesis and nicotinamide adenine dinucleotide phosphate (NADPH) for lipid biosynthesis. The encoded protein is important for maintaining structure and function of mitochondria. Studies in knockout mice identify that deficiency of this gene product is a cause of sperm dysmotility and male infertility. Deficiency of this protein has also been identified as a cause of hepatocarcinogenesis in mice. Two related pseudogenes have been identified on chromosome 10. [provided by RefSeq, Mar 2010]