

## Product datasheet for **MG215834**

### Taspl (NM\_001159640) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Taspl
Synonyms:	4930485D02Rik; AW986064
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG215834 representing NM\_001159640  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGATCATGGAGAAGGGGATGAATTCTGGAGAAGGACTGCCTTCCAGATCATCTCAGGCATCTGCTGCTA  
AAGTAACAGTCAAGGAGTTAGAAACACAGCAGCCCTGTAAGGAGAAACGAGGGGCTTTGTGCTGGTGCA  
TGCAGGTGCAGGCTATCATTCTGAATCCAAAGCCAAGGAATATAAATCATGTATGCAAACGAGCTTGTGCA  
AAGCAATTGAGAAGCTACAGGCTGGTGTCTTTGCTACAGATGCAGTGGCTGCTGCTCTGGTGAAGCTTG  
AGGATTCTCCTTTTACAAATGCAGGAATAGGATCTAATCTAAATCTCTTAGGAGAGATTGAATGTGATGC  
CAGCATAATGGATGAAAAGTCTTAAACTTTGGAGCCGTTGGAGCACTGAGTGAATCAAGAATCCAGTC  
TCAGTTGCTCACAGGCTCTTGTGTGAAGGGCAGAAGGGCAAGCTCTCTGCAGGCAGAATTCCTCCTGCT  
TTTTAGTTGGAGAAGGAGCCTACAGATGGCAGTGGATCATGGGATACCCTCTTGCCCTCCTAGCACCAT  
GACCACAAGATTACGCTTAGCTGCATTTAAAAGGAACAAGAGGAACTAGAGCTGGCAGAAAAGGGTGAA  
ACAGACTTCATCCAGCTGAAGAGAAGACGACAATCAAGCGCAAAGGAAAATGACTCAGGCACCTTTGGACA  
CGGTGGGTGCTGTGGTGTGGATCACGAAGGGAATGTTGCTGCTGCTGCTCCAGTGGGGCTTGGCCTT  
GAAACATCCAGGGAGAGTTGGCAGGCTGCTTTTATGGATGTGGCTGCTGGGCTGAGAATACTGGCGCT  
CAGAACCCTACTCCACAGCTGTGAGTACCTCAGGATGTGGCAGCATCTTGTGCGCACCATACTGGCTA  
GAGAATGTTACACGCTTTACAAGCTGAAGATGCTACCAAGCTCTGTTGGAGACTATGCAAAAAGATT  
TATCAGTTCACCTTCTTGCCTGTGAAGATGGCGTGTGCGTGGAGTATCGTTCTCCGGTCATGCAGA  
TGTTCTTCAGAGTCTGACTCCTCCCAAGATAAACAGACTGCTTGTGGAATTTCTGTGGAGCCATACTA  
CAGAGAGCATGTGCGTGGGATATATGTAGCCCAAGGACGCAAGCAAGCAAGACTCACATTTACGACTCCC  
TCCTGGTGTGTTGGCAGGACAGTCTGTTGCCATCGAAGGTGGGGTTTGGCCCTGGAGAGCCCCGTGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG215834 representing NM\_001159640  
 Red=Cloning site Green=Tags(s)

MIMEKGMNSGEGLPSSQASAAKVTVKELETQQPCKEKRGFVLVHAGAGYHSESKAKEYKHVCKRACQ  
 KAIEKLQAGALATDAVAAALVELEDSPTNAGIGSNLNLGIECDASIMDGKSLNFGAVGALSGIKNPV  
 SVAHRLLCGQKGLSAGRIPPCLVGEAYRWAVDHGIPSCPPSTMTTRFLAAFKRNKRKLELAERVE  
 TDFIQLKRRRQSSAKENDSGTLDTVGAVVDHEGNVAAVSSGGLALKHPGRVQQAALYGCGCWAENTGA  
 QNPYSTAVSTSGCGEHLVRTILARECSHALQAEDAQALLETMQNKFISSPFLACEDGVLGGVIVLRSCR  
 CSSESDSSQDKQTLLEFLWSHTTESMCMVMSAQDGKAKTHISRLPPGAVAGQSVAIIEGGVCRLESPVN

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001159640

**ORF Size:** 1260 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001159640.2](#)

**RefSeq Size:** 2238 bp

**RefSeq ORF:** 1263 bp

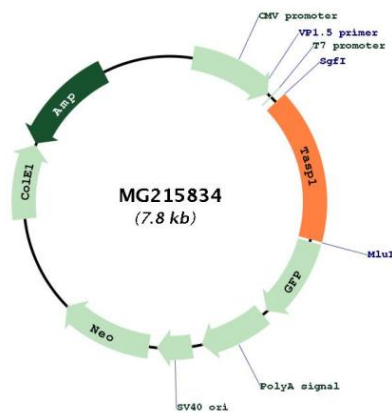
**Locus ID:** 75812

**UniProt ID:** [Q8RIG1](#)

**Cytogenetics:** 2 F3

**Gene Summary:** Protease involved in KMT2A/MLL1 processing and, consequently, in the correct expression of the early HOXA gene cluster.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG215834