

## Product datasheet for MR217403

### Tasp1 (NM\_001159641) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tasp1 (NM_001159641) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tasp1
Synonyms:	4930485D02Rik; AW986064
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217403 representing NM_001159641 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATCATGGAGAAGGGGATGAATTCTGGAGAAGGACTGCCTTCCAGATCATCTCAGGCATCTGCTGCTA  
AAGTAACAGTCAAGGAGTTAGAAACACAGCAGCCCTGTAAGGAGAAACGAGGGGGCTTTGTGCTGGTGCA  
TGCAGGTGCAGGCTATCATTCTGAATCCAAAGCCAAGGAATATAAACATGTATGCAAACGAGCTTGTGCA  
AAGGCAATTGAGAAGCTACAGGCTGGTGTCTTTGCTACAGATGCAGTGGCTGCTGCTCTGGTGGAACTTG  
AGGATTCTCCTTTTACAAATGCAGGAATAGGATCTAATCTAAATCTCTTAGGAGAGATTGAATGTGATGC  
CAGCATAATGGATGGAAAGTCTTAAACTTTGGAGCCGTTGGAGCACTGAGTGGAAATCAAGAATCCAGTC  
TCAGTTGCTCACAGGCTCTTGTGTGAAGGGCAGAAGGGCAAGCTCTCTGCAGGCAGAATTCCTCCCTGCT  
TTTTAGTTGGAGAAGGAGCCTACAGATGGGCAGTGGATCATGGGATACCCCTTTGCCCTCTAGCACCAT  
GACCACAAGATTCAGCTTAGCTGCATTTAAAAGGAACAAGAGGAAACTAGAGCTGGCAGAAAGGGTGGAA  
ACAGACTTCATCCAGCTGAAGAGAAGACGACAATCAAGCGCAAAGGAAAATGACTCAGGCACTTTGGACA  
CGGTGGGTGCTGTGGTCTGATCAGCAAGGGAATGTTGCTGCTGCTGTCCAGTGGGGCTTGGCCTT  
GAAACATCCAGGGAGAGTTGGCAGGCTGCTCTTATGGATGTGGCTGCTGGGCTGAGAATACTGGCGT  
CAGAACCCTACTCCACAGCTGTGAGTACCTCAGGTTACCTTTCTTGCCTGTGAAGATGGCGTGTGCTCG  
GTGGAGTGCATCTCCGGTCATGCAGATGTTCTTCCAGAGTCTGACTCCTCCCAAGATAAACAGACACT  
GCTTGTGGAATTTCTGTGGAGCCATACTACAGAGAGCATGTGCGTGGGATATATGTCAGCCAGGACGGC  
AAAGCCAAGACTCACATTTACGACTCCCTCCTGGTGTGTGGCAGGACAGTCTGTTGCCATCGAAGGTG  
GGGTTTGGCCCTGGAGAGCCCCGTGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR217403 representing NM\_001159641  
 Red=Cloning site Green=Tags(s)

MIMEKGMNSGEGLPSSQASAAKVTVKELETQQPCKEKRGGFVLVHAGAGYHSESKAKEYKHVCKRACQ  
 KAIEKLQAGALATDAVAALVELEDPFTNAGIGSNLNLGIECDASIMDGKSLNFGAVGALSGIKNPV  
 SVAHRLLCGQKGLSAGRIPPCFLVGEAYRWAVDHGIPSCPPSTMTTRFSLAAFKRNRKLELAERVE  
 TDFIQLKRRRQSSAKENDSGTLDTVGAVVVDHEGNVAAAVSSGGLALKHPGRVQQAALYGCWCWAENTGA  
 QNPYSTAVSTSGSPFLACEDGVLGGVIVLRSCRCSSSESDSSQDKQTLLVEFLWSHTTESMCVGYMSAQDG  
 KAKTHISRLPPGAVAGQSVAIIEGGVCRLESPVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001159641

**ORF Size:** 1149 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\\_001159641.2](#)

**RefSeq Size:** 2127 bp

**RefSeq ORF:** 1152 bp

**Locus ID:** 75812

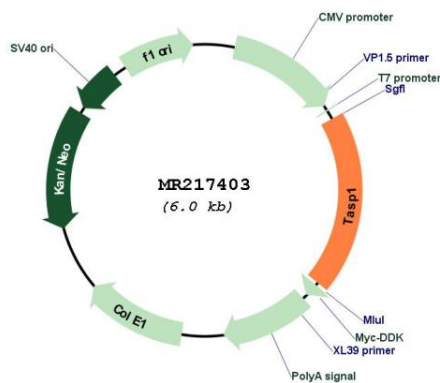
**UniProt ID:** [Q8R1G1](#)

**Cytogenetics:** 2 F3

**MW:** 40.7 kDa

**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 MR217403