

Product datasheet for MR215834

Tasp1 (NM_001159640) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tasp1 (NM_001159640) 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:	>MR215834 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCATGGAGAAGGGGATGAATTCTGGAGAAGGACTGCCTTCCAGATCATCTCAGGCATCTGCTGCTA
AAGTAACAGTCAAGGAGTTAGAAACACAGCAGCCCTGTAAGGAGAAACGAGGGGGCTTTGTGCTGGTGCA
TGCAGGTGCAGGCTATCATTCTGAATCCAAAGCCAAGGAATATAAACATGTATGCAAACGAGCTTGTGCA
AAGGCAATTGAGAAGCTACAGGCTGGTGTCTTGTCTACAGATGCAGTGGTGTCTGCTCTGGTGGAACTTG
AGGATTCTCCTTTTACAAATGCAGGAATAGGATCTAATCTAAATCTCTTAGGAGAGATTGAATGTGATGC
CAGCATAATGGATGGAAAGTCTTAAACTTTGGAGCCGTTGGAGCACTGAGTGGAAATCAAGAATCCAGTC
TCAGTTGCTCACAGGCTCTTGTGTGAAGGGCAGAAGGGCAAGCTCTCTGCAGGCAGAATTCCTCCCTGCT
TTTTAGTTGGAGAAGGAGCCTACAGATGGGCAGTGGATCATGGGATACCCCTTTGCCCTCTAGCACCAT
GACCACAAGATTCAGCTTAGCTGCATTTAAAAGGAACAAGAGGAACTAGAGCTGGCAGAAAGGGTGGAA
ACAGACTTCATCCAGCTGAAGAGAAGACGACAATCAAGCGCAAAGGAAAATGACTCAGGCACTTTGGACA
CGGTGGTGTGTGGTGTGGATCACGAAGGGAATGTTGCTGTCTGCTCCAGTGGGGCTTGGCCTT
GAAACATCCAGGGAGAGTTGGGCAGGCTGCTCTTATGGATGTGGCTGCTGGGCTGAGAATACTGGCGT
CAGAACCCTACTCCACAGCTGTGAGTACCTCAGGATGTGGCAGCATCTTGTGGCACCATACTGGCTA
GAGAATGTTACACGCTTTACAAGCTGAAGATGCTCACCAAGCTCTGTTGGAGACTATGCAAACAAGTT
TATCAGTTCACCTTCTTGCCTGTGAAGATGGCGTGTGGTGGAGTATCGTTCTCCGGTTCATGCAGA
TGTTCTTCAGAGTCTGACTCCTCCCAAGATAAACAGACTGCTTGTGGAATTTCTGTGGAGCCATACTA
CAGAGAGCATGTGCGTGGGATATATGTCAGCCCAGGACGGCAAAGCAAGACTCACATTTACGACTCCC
TCCTGGTGTGTGGCAGGACAGTCTGTTGCCATCGAAGTGGGGTTTGCCGCTGGAGAGCCCCGTGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA



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Protein Sequence: >MR215834 protein sequence
 Red=Cloning site Green=Tags(s)

MIMEKGMNSGEGLPSSQASAAKVTVKELETQQPCKEKRGGFVLVHAGAGYHSESKAKEYKHVCKRACQ
 KAIKELQAGALATDAVAALVELEDPFTNAGIGSNLNLGIECDASIMDGKSLNFGAVGALSGIKNPV
 SVAHRLLCCEGQKGLSAGRIPPCFLVGEAYRWAVDHGIPSCPPSTMTTRFSLAAFKRNRKLELAERVE
 TDFIQLKRRRQSSAKENDSGTLDTVGAVVVDHEGNVAAAVSSGGLALKHPGRVQQAALYGGCWAENTGA
 QNPYSTAVSTSGCGEHLVRTILARECSHALQAEDAHQALLETMQNKFISSPFLACEDGVLGGVIVLRSCR
 CSSESDSSQDKQTLLEFLWSHTTESMCMVGYMSAQDGKAKTHISRLPPGAVAGQSVAIIEGGVCRLESPVN

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_001159640

ORF Size: 1263 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_001159640.2](#)

RefSeq Size: 2259 bp

RefSeq ORF: 1263 bp

Locus ID: 75812

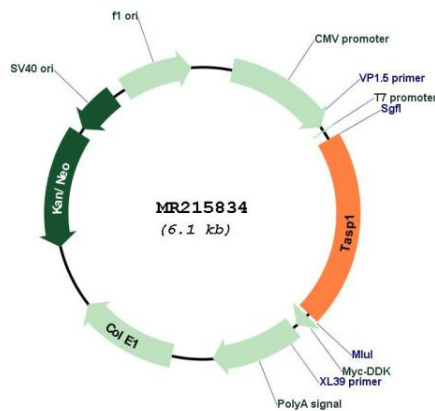
UniProt ID: [Q8R1G1](#)

Cytogenetics: 2 F3

MW: 44.4 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 MR215834