

Product datasheet for **MC201188**

Ecd (NM_027475) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ecd (NM_027475) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ecd
Synonyms:	5730461K03Rik; Hsgt1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC013470 sequence for NM_027475
 GAGCCTCACGACTTGCAGGCGTTTCAGGCGTGGATCAGGGCCCAAGCGAACGCGAGGACCCAGCATGGGCC
 GGGATTGGGCGGTTGGTGGTCGCCTCTGACCAAGTGTCTGTGGAAGAGGCAGCCAAGGAAAGGTGCCA
 GAGCAGAGGGCGCACGAGAGAGCTATTGAAAGGGATCGCTTTACTTTTGTGAGGTGGAAGAAGAGCGTCTA
 GTTTGGTGAAGGAGCACTATACCGCGCCAGGACAGTGTCTCTGGTGGCTCCTCTTCTGTACTCTCGGAGA
 AGAATGGAGGGCAGTGGAAAGCTCGCAATGGTAGAGGATGCTGTGGAGTACCATCTTCTCTGATACCAG
 ATAAAGCCAGAGGCACAGAAGAGCAGAGAGATTCTTCAGAAGTACATTGAACGGATAATGACCCAGTT
 CGCACCCATACTGGTCCCTTATATCTGGCAGAATCAGCCTTTCAATCTCAAATACAAGCCTGCAAAAGGA
 GGTGTTCTGCTCATATGTACGGCATGACAAAAGTTTGGAGATAACATTGAGGATGAATGGTTTATTGTTT
 ATGTAATAAAGCAGATTACAAAGGAATTTCCAGAGTTAGTGGCCAGGGTTGAAGACAATGATGGTGAGTT
 CCTGTTAATAGAAGCGGCCGACTTTCTCCCTAAGTGGTTGGACCTGATAACAGTGCCAACAGGGTGT
 TTTTCATCATGGGAGCTGTGCATTATTCCTGTGCCGAGGAAATCTGAAAGGATACCATGTTACCCATGA
 CACCACCAACAATCCAGCAAGCTTTGAGTATAATCTCGGCACACCAGAAGCTGTTTTGGCTTCAGAATC
 TATAAAGCTGTGTGGACAGGCGGTGAGTGGTACCCAGAAAGGGTGAAGCATCCCTCCATCGAGCA
 CACTGCTTCTCCAGCCGGCATTGTGGCGGTGCTCAAGCAACAGCCAGGCTGTGTGCGCAGCCGTCC
 AGGCCTTCTACCTACGGGACCCATTGACCTAAGAGCCTGTCGTGCTTCAAGACATTTTGGCTGAAAC
 ACGAATAATGGCCTCGGTCACTTTCACGAAATGTCTGTACGCACAGCTGGTACAGCAGAAGTTTGGCCA
 GACCGGGGAGTGGATACGGGCTCCACCTCCATCACATCCCCAGTACCGAGCTTATGAACTGGGCATGA
 AGTTGGCTCATGGATTTGAGATTTGTGCTCCTAATGTAGCCACATTTTCTGACTCCAGGAAGTCTCT
 TGTGACTGCCTCACCGCTCTGGGCCAGTTCCTTGAAAGTCTGAAAGGAATGACTACTTTAAGGGACTG
 ATGGACGGCTCTGCGCAGTACCAGGAGAGACTAGAAATGGCAAAGAACTATTTCCAGCTCTCTATACCC
 GGCCAGAAAGTTCACCTTGCTATGAGCCCAGGCGAAGAGATCCTAACCGTGTACAGACACAGCCATTTGA
 CGTCGCCGAGCTCAAGACAGAAGAAGTACCTTCTCCGAGGACGATGACCAGTGGTTAGACCTCTCA
 CCAGACCAAGTTAGACCAGCTACTGCAAGATGCTGCGGGCAGAAAAGAATCCAGCCCGGTCCCAAGAGG
 AGGAGCTGCAGAACTATGATGTAGCGCAGTCTCAGACAGCATGAAGGCCTTCATCTCAAAGTGTCTAG
 CCACAAGGGGGCAGAGCTGCCAGAGACCTTCGGAAGCTCCAATCACTTTTGTGTCAGATTCTTTTCTG
 AATTATTTTATAAGATTTTAGGAGCAAAGCCTCAGGAGTCAAGTCTGAGGATGACCCGGGTGAGGAGG
 ACGTGGAAAGGTGTAGACAGTGTGATGACGTGGGCTTTGAGGCTCAGGAGTCTGAGTCTCTGAAAGGAGC
 CCTTGGCAGCCTCAAGTCTACATGGCCCGGATGGACCAGGAAGTGGCACACACCAGCATGGGCAGAAGC
 TTCACCACGCGGAGCGATTGAATAAGGACCCTCCATCCCACACTGCAAATGACAATTCAGATGAAGAAG
 ATTCTGGTGCAGGAGATTGCGCTGTTGAAGCAGTGGATGTAGACCTGAACCTGATTTCAAATATACTGGA
 ATCCTACAGCTCCAAGCGGGCCTGGCAGGACCTGCTTCCAATCTGTTACACAGCATGGGTGTGCGACTG
 CCCGACAACGCTGATCACAACCCCAAGTCAAGCAGTGAAGGACTAGCCTGCACATCAGCCACCCTTCTC
 AGGAATAAACGACTCTTCATAAGCACGCCTTAAATCCCAGCACTCGGGAGACAGAGGCAGGCGGATTTCT
 GAGTTCGAGGCCAGCCTGGTCTAGAAAATGAGTTCCAGGAGAGCCAGGGCTACACAGAGAAAACCTGTCT
 CAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_027475

Insert Size: 1926 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:

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: [BC013470](#), [AAH13470](#)

RefSeq Size: 2407 bp

RefSeq ORF: 1926 bp

Locus ID: 70601

UniProt ID: [Q9CS74](#)

Cytogenetics: 14 A3

Gene Summary: Regulator of p53/TP53 stability and function. Inhibits MDM2-mediated degradation of p53/TP53 possibly by cooperating in part with TXNIP. May be involved transcriptional regulation. In vitro has intrinsic transactivation activity enhanced by EP300. May be a transcriptional activator required for the expression of glycolytic genes (By similarity). Involved in regulation of cell cycle progression (PubMed:26711270). Proposed to disrupt Rb-E2F binding leading to transcriptional activation of E2F proteins (PubMed:19640839). The cell cycle -regulating function may depend on its RUVBL1-mediated association with the R2TP complex. May play a role in regulation of pre-mRNA splicing (By similarity).[UniProtKB/Swiss-Prot Function]