

## Product datasheet for **MC201026**

### Ivd (NM\_019826) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ivd (NM_019826) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ivd
Synonyms:	1300016K07Rik; 6720455E18Rik; AI463340
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC018325 sequence for NM\_019826  
GCACCGCAGAGATGGCGACTGCAATCCGGCTGCTGGGACGGCGAGTTTCCAGTTGGAGACTGCGGCCATC  
ACCGTCGCCCCCTCGTGTCCCAGGGCGGGCCACTCGATATTGCCTGTGGACGATGATATCAACGGGCTA  
AACGAGGAGCAGAAGCAGCTTCCGTACTATATCTAAGTTTCTCAAGAGAACCTGGCCCCAAGGCC  
AAGAGATTGATCAAACCAATGACTTCAAGAACCTGAGAGAGTTCTGGAACAGCTGGGGAGCCTGGGTGT  
ACTGGGCATCACAGCCCCGTTTCAGTATGGTGGCTCTGGCCTGGGCTACCTAGAACATGTGTTGGTAATG  
GAAGAGATATCCCAGGCTTCGGGAGCAGTGGGGCTCAGCTACGGTCTCACTCCAACCTCGCGTCAACC  
AGATTGTTGAAAATGGGAATGAGGCACAGAAAGAGAAAATACCTTCCAAGCTCATCAGTGGTGGTTCAT  
CGGAGCCTTGGCCATGAGTGAACCAATGCTGGCTCTGACGTTGTCTCCATGAAGCTAAAAGCAGAAAAG  
AAAGGAGATCACTATGTTCTGAATGGCAACAAGTTCTGGATCACCAATGGCCCTGATGCTGATATCCTAG  
TCGTGTATGCCAAGACAGATTTGACCGCTGTGCCAGCTTCTCGGGGCATCACAGCCTTATTGTGGAGAA  
GGGTATGCCTGGTTTTAGTACCTCCAAGAAGCTTGACAAGCTAGGTATGAGGGGTCCAACACCTGCGAG  
CTGGTCTTTGAAGACTGCAAGGTTCTGCCGCTAACGCTCTGAGCCAGGAGAGTAAGGGGGTCTACGTAT  
TGATGAGCGGGCTGGACCTAGAGCGCTGGTGTAGCAGGTGGGCCCTTGGGATCATGCAAGCTGCTCT  
GGACCACACCATTCCCTACTTGCAATGTGAGGGAAGCCTTTGGCCAGAAGATCGGCCAATTCCAGCTGATG  
CAGGGAAAAGATGGCCGACATGTACACCCGCTCATGGCAAGTCGACAGTACGTCTACAATGTCGCCAAAG  
CCTGTGACGAGGGCCACATCATTCCAAGGACTGTGCCGGTGTGATTCTGTATGCAGCCGAGTGTGCCAC  
ACAGGTAGCCCTGGACGGCATTAGTGTCTAGGTGAAAATGGCTACATCAATGACTTCCCATGGGCCGC  
TTTCTACGAGATGCCAACTGTATGAGATCGGAGCTGGGACCAGTGAAGTGAAGCGGTTGGTCATTGGCC  
GAGCTTCAATGCAGACTTCCGCTAGCCCTCTGCGGCCATCGCCCCCTGGTCCCAGCACCGAGAGGCCCT  
TTCTTTGGAAGCAGAGATGTGGCAGCCCTCTGACCTGTCTAAGGAAGCTCTGATGCTCAGCTGCCCTTCT  
CTGTACGCCCTCGCCCCGTGTGAAGTCGATTCTCCAGCCGTTCCGGGCAGGAAAGCCTAAAATGACTG  
CTAAAATGACTTTGGCTTTTGGGGTTGGGGGAGGGTAGCAGTGTCTGTGCCATTGCTTTCATCATC  
TGAAAGTATGACCTGACCTCCAGGTAGCATCTGACAGGTACCCGACTCCTTTTGGCAAGCCCTCT  
GGCAGGGTGCCTTTCTGTTCAAGGTAACAGAGGCATTACCCCTTTCAGTTGTGATGATACTTGTGGTCT  
CATTTCTTGAGGAAAAGGCAAAAGCCATCTCCTTCTTAACTGTTTCTCCAGGAGCTAGACAGCTCCAGAA  
TGCCTATGGCAGACCCATGAAGGACAGAGTCCACAGTCCAGGCAAGACAACAGAAAGATCGGCTCCCTC  
GTGTACCTGAGTCTGTCTGCATCACTCTGTACAGGCTAGCACTGGCCCTGCTCATGTGACCTTCTGCAG  
CTGACTGGCCAGCAGACACAGGTCCTGTGGCCAGCCAGGTTGCCTGGCTCCCTCCAGCCTTGTGGC  
TCTGTATATTTTTTAGACACCCTGTGGCTAATTTTATTACAACGCACAATGTCTGTTGCCATTTTGTA  
TTAAATATACTGCAAGGTAACAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_019826

**Insert Size:** 1275 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:** [BC018325](#), [AAH18325](#)

**RefSeq Size:** 2071 bp

**RefSeq ORF:** 1275 bp

**Locus ID:** 56357

**UniProt ID:** [Q9JHI5](#)

**Cytogenetics:** 2 E5

**Gene Summary:** Catalyzes the conversion of isovaleryl-CoA/3-methylbutanoyl-CoA to 3-methylbut-2-enoyl-CoA as an intermediate step in the leucine (Leu) catabolic pathway. To a lesser extent, is also able to catalyze the oxidation of other saturated short-chain acyl-CoA thioesters as pentanoyl-CoA, hexenoyl-CoA and butenoyl-CoA.[UniProtKB/Swiss-Prot Function]