

Product datasheet for **TP506749**

Ivd (NM_019826) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse isovaleryl coenzyme A dehydrogenase (Ivd), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206749 protein sequence Red =Cloning site Green =Tags(s)

MATAIRLLGRRVSSWRLRSPSPPLAVPRRAHSILPVDDINGLNREEQQLRHTISKFLQENLAPKAQEID
QTNDFKNLREFWKQLGSLGVLGITAPVQYGGSGLYLEHVLVMEEISRASGAVGLSYGAHSNLCVNQIVR
NGNEAQKEKYLPKLISGEFIGALAMSEPNAAGSDVSMKLEKKGHDHYVLNNGKFWITNGPDADILVYYA
KTDLTAVPASRGITAFIVEKGMPPGFSTSKKLDKLGMRGNTCELVFEDCKVPAANVLSQESKGVYVLMMSG
LDLRLVLAGGPLGIMQAVLDHTIPYLHVREAFGQKIGQFQLMQGKMADMYTRLMASRQYVYNVAKACDE
GHIIPKDCAGVILYAAECATQVALDGIQCLGGNGYINDFPMGRFLRDAKLYEIGAGTSEVRRLLVIGRAFN
ADFR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	46.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_062800</u>
Locus ID:	56357



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UniProt ID:	<u>Q9JHI5</u>
RefSeq Size:	2067
Cytogenetics:	2 E5
RefSeq ORF:	1275
Synonyms:	1300016K07Rik; 6720455E18Rik; AI463340
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]