

Recombinant Mouse Ivd Protein, Myc/DDK-tagged

Cat. No. Ivd-3623M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length isovaleryl coenzyme A dehydrogenase (Ivd), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	46.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name [lvd isovaleryl coenzyme A dehydrogenase \[Mus musculus \(house mouse\) \]](#)

Official Symbol [lvd](#)

Synonyms IVD; isovaleryl coenzyme A dehydrogenase; isovaleryl-CoA dehydrogenase, mitochondrial; isovaleryl dehydrogenase; AI463340; 1300016K07Rik; 6720455E18Rik

Gene ID [56357](#)

mRNA Refseq [NM_019826](#)

Protein Refseq [NP_062800](#)

UniProt ID [Q9JHI5](#)

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