

IVD, Human Recombinant

CATALOG NO: P1577-20 20 µg
P1577-100 100 µg

ALTERNATE NAMES: Isovaleryl-CoA dehydrogenase mitochondrial, ACAD2

MOL. WT. 45.3 kDa (415aa) (N-terminal His- Tag)

SOURCE: *E. coli*

PURITY: >90% SDS - PAGE

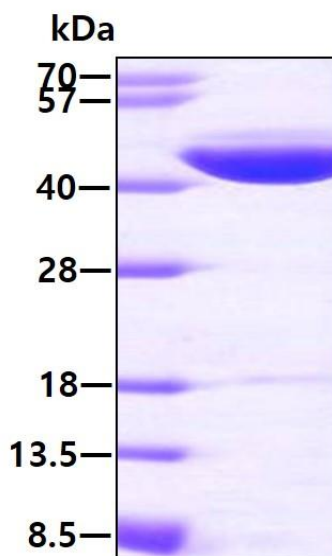
FORM: Liquid.

FORMULATION: In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol

STORAGE CONDITIONS: Store at 4°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION: IVD (Isovaleryl Coenzyme A dehydrogenase) is a mitochondrial matrix enzyme that belongs to the acyl-CoA dehydrogenase family. IVD is a homotetrameric flavoenzyme which catalyzes the conversion of isovaleryl-CoA to 3-methylcrotonyl-CoA. Defects of the IVD gene lead to ineffective isoforms that are the underlying cause of isovaleric acidemia. Recombinant human IVD protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography techniques.

AMINO ACID SEQUENCE: aa 33-426



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

RELATED PRODUCTS:

- Human CellExp™ PCSK9, murine recombinant (7266)
- Human CellExp™ PCSK9, human recombinant (7265)
- Ornithine Decarboxylase, Human Recombinant (P1342)
- FABP1, human recombinant (4501)
- L-Asparaginase (P1321)

FOR RESEARCH USE ONLY! Not to be used on humans.