

Datasheet for ABIN666949

**IVD Protein (AA 33-426) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	IVD
Protein Characteristics:	AA 33-426
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IVD protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Characteristics:	IVD, 33-426aa, Human, His tag, E.coli
Purity:	> 90 % by SDS - PAGE

## Target Details

Target:	IVD
Alternative Name:	IVD ( <a href="#">IVD Products</a> )
Background:	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

Target Details

	conventional chromatography techniques. Synonyms: ACAD2, Isovaleryl-CoA dehydrogenase, mitochondrial Isovaleryl CoA dehydrogenase, Isovaleryl CoA dehydrogenase, mitochondrial, isovaleryl Coenzyme A dehydrogenase. NCBI no.: NP_002216
Molecular Weight:	45.3 kDa (415aa), confirmed by MALDI-TOF.
Pathways:	<a href="#">Monocarboxylic Acid Catabolic Process</a>

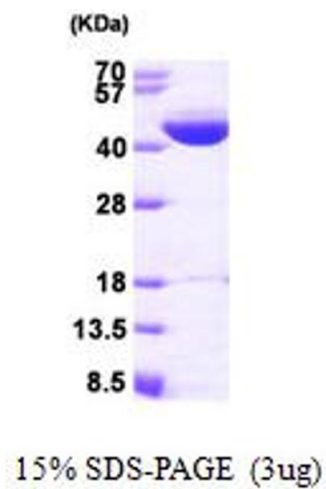
Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
Concentration:	1 mg/ml (determined by Bradford assay)
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol
Storage:	4 °C

Images



**SDS-PAGE**

Image 1.