

Recombinant Human IVD Protein, MYC/DDK-tagged

Cat. No. IVD-2644H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IVD protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	Isovaleryl-CoA dehydrogenase (IVD) is a mitochondrial matrix enzyme that catalyzes the third step in leucine catabolism. The genetic deficiency of IVD results in an accumulation of isovaleric acid, which is toxic to the central nervous system and leads to isovaleric acidemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	IVD isovaleryl-CoA dehydrogenase [Homo sapiens]
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Official Symbol	IVD
Synonyms	ACAD2; ACAD2
Gene ID	3712
mRNA Refseq	NM_001159508
Protein Refseq	NP_001152980
MIM	607036
UniProt ID	P26440

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