

## Recombinant Human IVD protein, His-tagged

Cat. No. IVD-8642H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IVD protein(AAH17202.1)(His30-His423), fused with His tag, was expressed in Insect Cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	His30-His423
<b>Form</b>	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glycerolPlease contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human IVD consists of 412 amino acids and has a calculated molecular mass of 45.3 kDa. The recombinant protein migrates as an approximately 43 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** IVD isovaleryl-CoA dehydrogenase [ Homo sapiens ]

**Official Symbol** IVD

**Synonyms** IVD; isovaleryl-CoA dehydrogenase; isovaleryl CoA dehydrogenase , isovaleryl Coenzyme A dehydrogenase; isovaleryl-CoA dehydrogenase, mitochondrial; ACAD2; isovaleryl CoA dehydrogenase; isovaleryl Coenzyme A dehydrogenase; FLJ12715; FLJ34849;

**Gene ID** 3712

**mRNA Refseq** NM\_001159508

**Protein Refseq** NP\_001152980

**MIM** 607036

**UniProt ID** P26440

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