

## 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) was expressed in Insect Cells, fused with a polyhistidine tag at the N-terminus.                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                          |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 30-423 aa                                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glycerol.                                                                                                                                          |
| <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>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                           |
| <b>Reconstitution</b>   | 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.                                  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

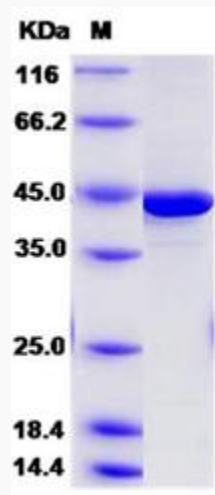
|                        |                                                                                                                                                                                                                                                   |
|------------------------|-------------------------------------------------------------------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

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SDS-PAGE



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