

ILVBL Protein, Human, Recombinant (His)

General Information

Synonyms:	2-hydroxyacyl-CoA lyase 2;HACL2;Acetolactate synthase-like protein;IlvB-like protein;AHAS;ILVBL
Protein Construction:	1-632 aa
Species:	Human
Expression Host:	E. coli
Accession:	A1L0T0
Molecular Weight:	70.7?kDa (predicted)
AA Sequence:	METPAAAAPAGSLFPSFLLACGTLVAALLGAAHRLGLFYQLLHKVDKASVRHGGENVAA VLR AHGVR FIFTLVGGHISPLL VACEKLGIRVVDTRHEVTAVFAADAMARLSGTVGVA AV TAGPGLTNTVTAVKNAQMAQSPILLGGAASTLLQNRGALQAVDQLSLFRPLCKFCVSVR RVRDIVPTLRAAMAAAQSGTPGPVFVELPVDVLYPYFMVQKEMVPAKPPKGLVGRVVS WY LENYLANLFAGAWEPQPEGPLDIPQASPQQVQRCVEILSRKRPLMVLG SQALLTPTS ADKLRAAVETLGVPCFLGGMARGLLGRNHPLHIRENRS AALKKADVIVLAGTVCDFRLSY GRVLSHSSKIIIVNRNREEMLLNSDIFWKPQEA VQGDVGSFVLKLV EQLGQQTWAPDWVE ELREADRQKEQTFREKAAMPVAQH LNPVQVLQ LVEETLPD NSILVVDGGDFVGTAAHLVQ PRGPLRWLDPGAFGTLGVGAGFALGAKLCRPDAEVWCLFGDGAFGYSLIEFDTFVRHKIP VMALVGNDAGWTQISREQVPSLGSNVACGLAYTDYHKAAMGLGARGLLLSRENEDQVVKV LHDAQQQRDGHPPVVN ILIGRTDFRDGSI AV

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Endoplasmic reticulum 2-OH acyl-CoA lyase involved in the cleavage (C1 removal) reaction in the fatty acid alpha-oxidation in a thiamine pyrophosphate (TPP)-dependent manner. Involved in the phytosphingosine degradation pathway.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481