

Product datasheet

Recombinant Human ETVB protein ab107152

1 Image

Description

Product name	Recombinant Human ETVB protein
Purity	> 90 % SDS-PAGE. ab107152 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>P38117</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MGSSHHHHHHSSGLVPRGSHMAELRVLVAVKRVIDYAVKI RVKPDRTGVV TDGVKHSMPFCEIAVEEAVRLKEKLVKEVIAVSCGPAQ CQETIRTALA MGADRGIHVEVPPAEAERLGPLQVARVLAKLAEKEKVDL VLLGKQAIDDD CNQTGQMTAGFLDWPQGTAFASQVTLEGDKLKVEREIDGG LETLRLKLPVAV VTADLRLNEPRYATLPNIMKAKKKKIEVIKPGDLGVDLTSKL SVISVEDP PQRTAGVKVETTEDLVAKLKEIGRI</p>
Predicted molecular weight	30 kDa including tags
Amino acids	1 to 255
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab107152** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

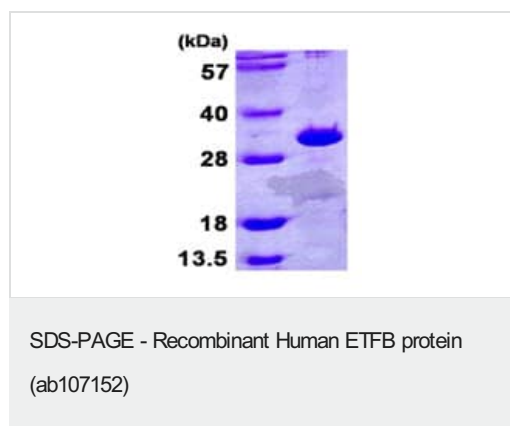
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.316% Tris HCl, 40% Glycerol (glycerin, glycerine), 0.58% Sodium chloride
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General Info

Function	The electron transfer flavoprotein serves as a specific electron acceptor for several dehydrogenases, including five acyl-CoA dehydrogenases, glutaryl-CoA and sarcosine dehydrogenase. It transfers the electrons to the main mitochondrial respiratory chain via ETF-ubiquinone oxidoreductase (ETF dehydrogenase).
Tissue specificity	Abundant in liver, heart and skeletal muscle. A weak expression is seen in the brain, placenta, lung, kidney and pancreas.
Involvement in disease	Glutaric aciduria 2B
Sequence similarities	Belongs to the ETF beta-subunit/FixA family.
Domain	The recognition loop recognizes a hydrophobic patch at the surface of interacting dehydrogenases and acts as a static anchor at the interface.
Post-translational modifications	Methylated. Trimethylation at Lys-200 and Lys-203 may negatively regulate the activity in electron transfer from Acyl-CoA dehydrogenases.
Cellular localization	Mitochondrion matrix.

Images



15% SDS-PAGE showing ab107152 (3µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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