

Human Fatty Acid Transport Protein 5 (FATP5) ELISA Kit | FATP5 elisa kit

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CATALOG #
AAA330819

REACTIVITY
Human

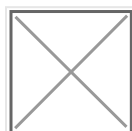
PRODUCT SYNONYMS

Fatty Acid Transport Protein 5 (FATP5); Human Fatty Acid Transport Protein 5 (FATP5) ELISA Kit; SLC27A5; ACSB; ACSVL6; FACVL3; FATP5; FLJ22987; VLACSR; VLCS-H2; VLCSH2; fatty-acid-Coenzyme A ligase; very long-chain 3; very long-chain acyl-CoA synthetase homolog 2; very long-chain acyl-CoA synthetase-rela; FATP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Fatty acid transport protein 5 (FATP5) ELISA Kit has high sensitivity and excellent specificity for detection of Human SLC27A5. No significant cross-reactivity or interference between Human SLC27A5 and analogues was observed.
Sequence Length	690
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Fatty acid transport protein 5 (FATP5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for FATP5 elisa kit	Description: This Human Fatty acid transport protein 5 (FATP5) ELISA Kit employs a two-site sandwich ELISA to quantitate SLC27A5 in samples. An antibody specific for SLC27A5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SLC27A5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC27A5 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SLC27A5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Very long chain fatty acid synthetase (VLACS, or SLC27A2), an enzyme whose function is presumed missing in ALD, is highly expressed in liver and kidney, but is expressed at much lower levels in brain. However, brain contains high amounts of VLCFA and is the organ most affected in ALD. In an attempt to isolate a VLACS isoform with a different tissue distribution, Berger et al. (1998) used degenerate PCR to clone a mouse cDNA and a partial human cDNA encoding a VLACS-related protein, termed VLACSR. VLACSR is 43% identical to mouse VLACS and 37% identical to mouse FATP. Northern blot analysis of mouse tissues revealed that a 2.6-kb VLACSR mRNA was highly abundant in liver. Smaller VLACSR transcripts were present at low levels in brain, lung, testis, spleen, and skeletal muscle.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13325057
NCBI GeneID	10998
NCBI Accession #	NP_036386.1
NCBI GenBank Nucleotide #	NP_036386.1
UniProt Accession #	Q9Y2P5
NCBI Official Full Name	bile acyl-CoA synthetase isoform 1
NCBI Official Synonym Full Names	solute carrier family 27 member 5
NCBI Official Symbol	SLC27A5
NCBI Official Synonym Symbols	BAL; ACSB; BACS; FATP5; ACSVL6; FACVL3; FATP-5; VLACSR; VLCSH2; VLCS-H2
NCBI Protein Information	bile acyl-CoA synthetase
UniProt Protein Name	Bile acyl-CoA synthetase
UniProt Gene Name	SLC27A5
UniProt Synonym Gene Names	ACSB; ACSVL6; FACVL3; FATP5; BACS; BA-CoA ligase; BAL; FATP-5; VLCS-H2; VLCSH2; VLACS-related; VLACSR
UniProt Entry Name	S27A5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.