Recombinant Human ELOVL6, GST-tagged

ELOVL6-12422H Human
Lot. No. (See product label)

Specification

Product Overview	Recombinant Human ELOVL6 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Description	Fatty acid elongases (EC 6.2.1.3), such as ELOVL6, use malonyl-CoA as a 2-carbon donor in the first and rate-limiting step of fatty acid elongation (Moon et al., 2001 [PubMed 11567032]).
Source	E.coli
Species	Human
Tag	GST
Protein length	1-80a.a.
Storage	The protein is stored in PBS buffer at -20. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

Gene Information

Gene Name	ELOVL6 ELOVL fatty acid elongase 6 [Homo sapiens]
Official Symbol	ELOVL6
Synonyms	ELOVL6; ELOVL fatty acid elongase 6; ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3 like, yeast); elongation of very long chain fatty acids protein 6; FLJ23378; LCE; MGC5487; hELO2; ELOVL FA elongase 6; fatty acid elongase 2; fatty acyl-CoA elongase; long-chain fatty-acyl elongase; 3-keto acyl-CoA synthase ELOVL6; ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast); FAE; FACE;
Gene ID	79071
mRNA Refseq	NM_001130721
Protein Refseq	NP_001124193
MIM	611546
UniProt ID	Q9H5J4
Chromosome Location	4q25
Pathway	Biosynthesis of unsaturated fatty acids, organism-specific biosystem; Biosynthesis of unsaturated fatty acids, conserved biosystem; Fatty Acyl-CoA Biosynthesis, organism-specific biosystem;

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	Fatty acid biosynthesis, elongation, endoplasmic reticulum, organism-specific biosystem; Fatty acid biosynthesis, elongation, endoplasmic reticulum, conserved biosystem; Fatty acid elongation, organism-specific biosystem; Fatty acid elongation, conserved biosystem;
Function	fatty acid elongase activity; protein binding; transferase activity; transferase activity, transferring acyl groups other than amino-acyl groups;

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