

## Recombinant Human ELOVL6, GST-tagged

Cat. No. ELOVL6-12422H    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.                                                                                 |
| Species          | Human                                                                                                                                                                                      |
| Source           | E.coli                                                                                                                                                                                     |
| ProteinLength    | 1-80a.a.                                                                                                                                                                                   |
| 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]). |
| Storage          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                  |
| Storage Buffer   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 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                                              |

 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

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | 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; |
| <b>Gene ID</b>             | <a href="#">79071</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>         | <a href="#">NM_001130721</a>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>      | <a href="#">NP_001124193</a>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>                 | <a href="#">611546</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | <a href="#">Q9H5J4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Chromosome Location</b> | 4q25                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Pathway</b>             | Biosynthesis of unsaturated fatty acids, organism-specific biosystem; Biosynthesis of unsaturated fatty acids, conserved biosystem; Fatty Acyl-CoA Biosynthesis, organism-specific biosystem; 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;   |
| <b>Function</b>            | fatty acid elongase activity; protein binding; transferase activity; transferase activity, transferring acyl groups other than amino-acyl groups;                                                                                                                                                                                                                                                                                                                         |