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# Product datasheet for TP762376

## ELOVL7 (NM_001104558) Human Recombinant Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Purified recombinant protein of Human ELOVL fatty acid elongase 7 (ELOVL7),transcript variant 2, Met1-Met31, with N-terminal His-ABP tag, expressed in E.coli, 50ug |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | A DNA sequence encoding the region (Met1-Met31) of ELOVL7 |
| **Tag:** | N-His-ABP (Albumin-Binding Protein) |
| **Predicted MW:** | 18.7 kDa |
| **Concentration:** | >0.05 μg/μL as determined by microplate BCA method |
| **Purity:** | >80% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | 50 mM Tris-HCl, pH 8.0, 8 M urea |
| **Note:** | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| **Storage:** | Store at -80°C after receiving vials. |
| **Stability:** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **RefSeq:** | NP_001098028 |
| **Locus ID:** | 79993 |
| **UniProt ID:** | A1L3X0 |
| **Cytogenetics:** | 5q12.1 |
| **RefSeq ORF:** | 843 |

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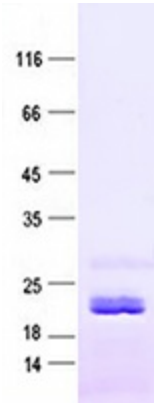
**Summary:** Catalyzes the first and rate-limiting reaction of the four reactions that constitute the long-chain fatty acids elongation cycle. This endoplasmic reticulum-bound enzymatic process allows the addition of 2 carbons to the chain of long- and very long-chain fatty acids (VLCFAs) per cycle. Condensing enzyme with higher activity toward C18 acyl-CoAs, especially C18:3(n-3) acyl-CoAs and C18:3(n-6)-CoAs. Also active toward C20:4-, C18:0-, C18:1-, C18:2- and C16:0-CoAs, and weakly toward C20:0-CoA. Little or no activity toward C22:0-, C24:0-, or C26:0-CoAs. May participate in the production of saturated and polyunsaturated VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Transmembrane

## Product images:




Purified recombinant protein ELOVL7 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.