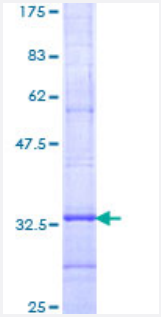
# ELOVL4 (Human) Recombinant Protein (Q01)

Catalog # H00006785-Q01 Size 25 ug, 10 ug

## Applications




## Specification

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|---|---|
| **Product Description** | Human ELOVL4 partial ORF ( NP_073563, 99 a.a. - 154 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Sequence** | MGSYNAGYSYICQSVDYSNNVHEVRIAAALWWYFVSKGVEYLDTVFFILRKKNNQV |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 31.9 |
| **Interspecies Antigen Sequence** | Mouse (95); Rat (96) |
| **Preparation Method** | *in vitro* wheat germ expression system |
| **Purification** | Glutathione Sepharose 4 Fast Flow |
| **Quality Control Testing** | 12.5% SDS-PAGE Stained with Coomassie Blue. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| **Storage Instruction** | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |
| **Note** | Best use within three months from the date of receipt of this protein. |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — ELOVL4

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|---|---|
| **Entrez GeneID** | 6785 |
| **GeneBank Accession#** | NM_022726 |
| **Protein Accession#** | NP_073563 |
| **Gene Name** | ELOVL4 |
| **Gene Alias** | ADMD, FLJ17667, FLJ92876, STGD2, STGD3 |
| **Gene Description** | elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4 |
| **Omim ID** | 600110 605512 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a membrane-bound protein which is a member of the ELO family, proteins wh ich participate in the biosynthesis of fatty acids. Consistent with the expression of the encoded pr otein in photoreceptor cells of the retina, mutations and small deletions in this gene are associate d with Stargardt-like macular dystrophy (STGD3) and autosomal dominant Stargardt-like macular dystrophy (ADMD), also referred to as autosomal dominant atrophic macular degeneration. [provi ded by RefSeq |
| **Other Designations** | OTTHUMP00000016776\|Stargardt disease 3 (autosomal dominant)\|elongation of very long chain fatty acids-like 4 |

## Disease

- Choroidal Neovascularization

- Epilepsies
- Genetic Predisposition to Disease
- Macular Degeneration
- Retinal Diseases
- Syndrome