# Active Recombinant Full Length Human LACC1 Protein, C-Flag-tagged

**Cat. No.** LACC1-445HFL **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Full Length Human LACC1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells. |
| **Species** | Human |
| **Source** | Mammalian Cells |
| **Description** | This gene encodes an oxidoreductase that promotes fatty-acid oxidation, with concomitant inflammasome activation, mitochondrial and NADPH-oxidase-dependent reactive oxygen species production, and bactericidal activity of macrophages. The encoded protein forms a complex with fatty acid synthase on peroxisomes and is thought to be modulated by peroxisome proliferator-activated receptor signaling events. Naturally occurring mutations in this gene are associated with inflammatory bowel disease, Behcet's disease, leprosy, ulcerative colitis, early-onset Crohn's disease, and systemic juvenile idiopathic arthritis. |
| **Form** | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
| **Bio-activity** | Enzyme activity |
| **Molecular Mass** | 47.6 kDa |
| **AA Sequence** | MAEAVLIDLFGLKLNSQKNCHQTLLKTLNAVQYHHAAKAKFLCIMCCSNISYERDGE QDNCEIETSNGLS ALLEEFEIVSCPSMAATLYTIKQKIDEKNLSSIKVIVPRHRKTLMK |

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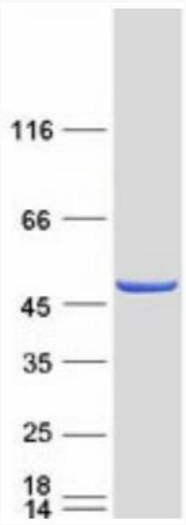
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|---|---|
| | AFIDQLFTDVYNFEFEDLQVTFRG GLFKQSIEINVITAQELRGIQNEIETFLRSLPALR GKLTIITSSLIPDIFIHGFTTRTGGISYIPTLSSF NLFSSSKRRDPKVVVQENLRRLANA AGFNVEKFYRIKTHHSNDIWIMGRKEPDSYDGITTNQRGVTIAAL GADCIPIVFADPV KKACGVAHAGWKGTLLGVAMATVNAMIAEYGCSLEDIVVVLGPSVGPCCFTLPRES A EAFHNLHPACVQLFDSPNPCIDIRKATRILLEQGGILPQNIQDQNQDLNLCTSCHPD KFFSHVRDGLNFG TQIGFISIKETRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining. |
| **Stability** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **Storage** | Store at -80 centigrade. |
| **Concentration** | >50 ug/mL as determined by microplate BCA method. |
| **Preparation** | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| **Full Length** | Full L. |

## GENE INFORMATION

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| **Gene Name** | LACC1 laccase domain containing 1 [ Homo sapiens (human) ] |
| **Official Symbol** | LACC1 |
| **Synonyms** | FAMIN; JUVAR; C13orf31 |
| **Gene ID** | 144811 |

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| **mRNA Refseq** | NM_153218.4 |
| **Protein Refseq** | NP_694950.2 |
| **MIM** | 613409 |
| **UniProt ID** | Q8IV20 |




Coomassie blue staining of purified LACC1 protein.

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