

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

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

SPECIFICATION

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 ALLEEFIVSCPSMAATLYTIKQKIDEKNLSSIKVIVPRHRKTLMK

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AFIDQLFTDVYNFEFEDLQVTFRG GLFKQSIEINVITAQELRGIQNEIETFLRSLPALR
 GKLTITSSSLIPDIFIHGFTTRTGGISYIPTLSSF NLFSSSKRRDPKVVVQENLRRLANA
 AGFNVEKFYRIKTHHSNDIWIMGRKEPDSYDGITTNRQGVITIAAL GADCIPIVFADPV
 KKACGVAHAGWKGTLLGVAMATVNAMIAEYGCSLEDIVVVLGSPVGPCCFTLPRES
 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

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

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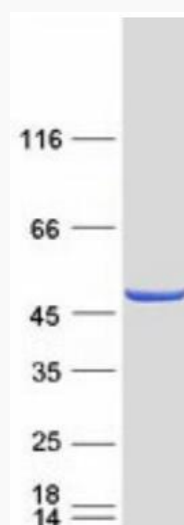
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mRNA Refseq [NM_153218.4](#)

Protein Refseq [NP_694950.2](#)

MIM [613409](#)

UniProt ID [Q8IV20](#)



Coomassie blue staining of purified LACC1 protein.

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