

Recombinant Human LACC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LACC1-1338H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C13orf31 MS Standard C13 and N15-labeled recombinant protein (NP_694950) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	47.8 kDa
AA Sequence	MAEAVLIDLFGLKLNQKNCHQTLLKTLNAVQYHHAAKAKFLCIMCCSNISYERDGE QDNCEIETSNGLSALLEEFEIVSCPSMAATLYTIKQKIDEKNLSSIKVIVPRHRKTLMK FIDQLFTDVYNFEFEDLQVTFRGGLFKQSIEINVITAQELRGIQNEIETFLRSLPALRGK LTIITSSLIPDIFIHGFTTRTGGISYIPTLSSFNLFSSSKRRDPKVVVQENLRLANAAGF NVEKFYRIKTHHSNDIWIMGRKEPDSYDGITTNQRGVTIAALGADCIPVIFADPVKKAC

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GVAHAGWKGTLLGVAMATVNMIAEYGCLEDIVVVLGPSVGPCFTLPRESAEAF
HNLHPACVQLFDSPNPCIDIRKATRILLEQGGILPQNIQDQNQDLNLCTSCHPDKFFS
HVRDGLNFGTQIGFISIKETRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

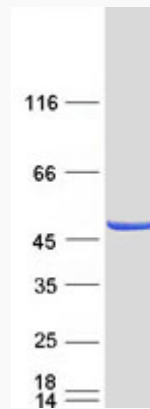
GENE INFORMATION

Gene Name	LACC1 laccase domain containing 1 [Homo sapiens (human)]
Official Symbol	LACC1
Synonyms	LACC1; laccase (multicopper oxidoreductase) domain containing 1; C13orf31, chromosome 13 open reading frame 31; laccase domain-containing protein 1; FLJ38725; C13orf31; RP11-5G9.2; DKFZp686D11119;
Gene ID	144811
mRNA Refseq	NM_153218
Protein Refseq	NP_694950

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MIM 613409**UniProt ID** Q8IV20**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA