

Recombinant Human LACC1 Protein, GST-tagged

Cat. No. LACC1-4329H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FLJ38725 full-length ORF (AAH35749, 1 a.a. - 430 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Apr 2017]
Molecular Mass	73.04 kDa
AA Sequence	MAEAVLIDLFGLKLNQKNCHQTLLKTLNAVQYHHAAKAKFLCIMCCSNISYERDGE QDNCEIETSNGLSALLEEFEIVSCPSMAATLYTIKQKIDEKNLSSIKVIVPRHRKTLMKA FIDQLFTDVYNFEFEDLQVTFRGGFLFKQSIEINVITAQELRGIQNEIETFLRSLPALRGK LTIITSSLIPDIFIHGFTTRTGGISYIPTLSSFNLFSSSKRRDPKVVVQENLRLLANAAGF NVEKFYRIKTHHSNDIWIMGRKEPDSYDGITTNRQGVITIAALGADCIPVFADPVKKAC GVAHAGWKGTLLGVAMATVNAMIAEYGCSELDIVVVLGPSVGPCCFITLPRESAEAF

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	HNLHPACVQLFDSPNPCIDIRKATRILLEQGGILPQNIQDQNQDLNLCTSCHPDKFFS HVRDGLNFGTQIGFISIKE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	LACC1 laccase domain containing 1 [Homo sapiens (human)]
Official Symbol	LACC1
Synonyms	LACC1; laccase domain containing 1; FAMIN; C13orf31; laccase domain-containing protein 1; fatty acid metabolism-immunity nexus; laccase (multicopper oxidoreductase) domain containing 1
Gene ID	144811
mRNA Refseq	NM_001128303
Protein Refseq	NP_001121775
MIM	613409

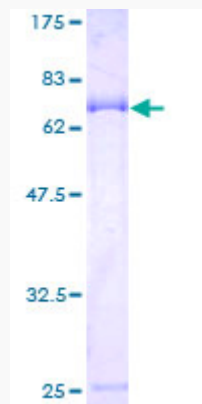
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UniProt ID

Q8IV20

Quality Control
Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

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