

Recombinant Full Length Human LACC1 Protein, GST-tagged

Cat. No. LACC1-5062HF **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	In Vitro Cell Free System
ProteinLength	430 amino acids
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	MAEAVLIDLFGLKLNSQKNCHQTLLKTLNAVQYHHAAKAKFLCIMCCSNISYERDGE QDNCEIETSNGLSALLEEFEIVSCPSMAATLYTIKQKIDEKNLSSIKVIVPRHRKTLMK FIDQLFTDVYNFEFEDLQVTFRGGLFKQSIEINVITAQELRGIQNEIETFLRSLPALRGK LTIITSSLIPDIFIHGFTTRTGGISYIPTLSSFNLFSSSKRRDPKVVVQENLRRLANAAGF NVEKFYRIKTHHSNDIWIMGRKEPDSYDGITTNRGVTIAALGADCIPVFADPVKKAC

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GVAHAGWKGTL LGVAMATV NAMIAEYGC SLEDIVVVLGPSVGPCCFTLPRESAEAF
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](#)

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MIM	613409
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UniProt ID	Q8IV20
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