

## Product datasheet for PH325705

### C13orf31 (LACC1) (NM\_001128303) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	C13orf31 MS Standard C13 and N15-labeled recombinant protein (NP_001121775)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC225705
Predicted MW:	47.8 kDa
Protein Sequence:	>RC225705 protein sequence Red=Cloning site Green=Tags(s)

MAEAVLIDLFGLKLNLSQKNCHQTLKLTNAVQYHHAAKAKFLCIMCCSNISYERDGEQDNCEIETSNGLS  
ALLEEFEIVSCPSMAATLYTIKQKIDEKNLSSIKVIVPRHRKTLMKAFIDQLFTDVYNFEFEDLQVTFRG  
GLFKQSIIEINVITAQELRGIQNEIETFLRSLPALRGKLTIIITSSLIPDIFIHGFTTRTGGISYIPTLSSF  
NLFSSSKRRDPKVVVQENLRRLANAAGFNVEKFYRIKTHHSNDIWMGRKEPDSYDGIITNQRGVTIAAL  
GADCIPIVFADPVKKACGVAHAGWKGTLGVMATVNAMIAEYGCSLEDIVVVLGSPVGPCCFTLPRESA  
EAFHNLHPACVQLFDSPNPCIDIRKATRILLEQGGILPQNIQDQNQDLNLCTSCHPKFFSHVRDGLNFG  
TQIGFISIKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_001121775</a></u>
RefSeq Size:	4288
RefSeq ORF:	1290
Synonyms:	C13orf31; FAMIN; JUVAR



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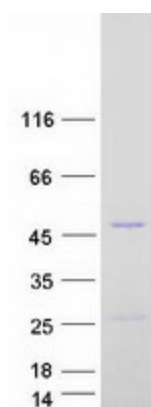
Locus ID: 144811

UniProt ID: [Q8IV20](#)

Cytogenetics: 13q14.11

**Summary:** 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]

### Product images:



Coomassie blue staining of purified LACC1 protein (Cat# [TP325705]). The protein was produced from HEK293T cells transfected with LACC1 cDNA clone (Cat# [RC225705]) using MegaTran 2.0 (Cat# [TT210002]).