

Recombinant Human LYRM1 Protein, GST-tagged

Cat. No. LYRM1-4542H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LYRM1 full-length ORF (ADZ15700.1, 1 a.a. - 122 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene belongs to the mitochondrial leucine/tyrosine/arginine motif family of proteins. Proteins of this family are short polypeptides that contain a leucine/tyrosine/arginine motif near the N-terminus. This gene is widely expressed with high levels in omental adipose tissue of obese individuals. In adipose tissue, the protein is localized to the nucleus where it promotes preadipocyte proliferation and lowers the rate of apoptosis to regulate adipose tissue homeostasis. Overexpression of this gene in adipocytes causes abnormal mitochondrial morphology and mitochondrial dysfunction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]
Molecular Mass	13.5 kDa
AA Sequence	MTTATRQEVGLGLYRSIFRLARKWQATSGQMEDIKEKQYILNEARTLFRKNKNLTD DLIKQCIDECTARIEIGLHYKIPYPRPIHLPPMGLTPLRGRGLRSQEKLRLSKPVYLR SHDEVS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	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	LYRM1 LYR motif containing 1 [Homo sapiens]
Official Symbol	LYRM1
Synonyms	LYRM1; LYR motif containing 1; LYR motif-containing protein 1; A211C6.1;
Gene ID	57149
mRNA Refseq	NM_001128301
Protein Refseq	NP_001121773
UniProt ID	O43325