

Recombinant Human LETM1

Cat. No. LETM1-29424TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 601-708 of Human LETM1 with an N terminal proprietary tag; Predicted MWt 37.51 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	108 amino acids
Description	This gene encodes a protein that is localized to the inner mitochondrial membrane. The protein functions to maintain the mitochondrial tubular shapes and is required for normal mitochondrial morphology and cellular viability. Mutations in this gene cause Wolf-Hirschhorn syndrome, a complex malformation syndrome caused by the deletion of parts of the distal short arm of chromosome 4. Related pseudogenes have been identified on chromosomes 8, 15 and 19.
Molecular Weight	37.510kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids ESKASKRLTKRVQQMIGQIDGLISQLEMDQQAGKLAPANG MPTGENVISVAELINAM KQVKHIPESKLTSLAAALDENKD GKVNIDDLKVIKIELVDKEDVHISTSQVA

Sequence Similarities Contains 1 EF-hand domain.Contains 1 LETM1 domain.

GENE INFORMATION

Gene Name LETM1 leucine zipper-EF-hand containing transmembrane protein 1 [Homo sapiens]

Official Symbol LETM1

Synonyms LETM1; leucine zipper-EF-hand containing transmembrane protein 1; LETM1 and EF-hand domain-containing protein 1, mitochondrial; Mdm38 homolog (yeast);

Gene ID 3954

mRNA Refseq NM_012318

Protein Refseq NP_036450

MIM 604407

Uniprot ID O95202

Chromosome Location 4p16.3

Function calcium ion binding; protein binding;

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