

Recombinant Human LITAF Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LITAF-5641H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LITAF MS Standard C13 and N15-labeled recombinant protein (NP_004853) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Lipopolysaccharide is a potent stimulator of monocytes and macrophages, causing secretion of tumor necrosis factor-alpha (TNF-alpha) and other inflammatory mediators. This gene encodes lipopolysaccharide-induced TNF-alpha factor, which is a DNA-binding protein and can mediate the TNF-alpha expression by direct binding to the promoter region of the TNF-alpha gene. The transcription of this gene is induced by tumor suppressor p53 and has been implicated in the p53-induced apoptotic pathway. Mutations in this gene cause Charcot-Marie-Tooth disease type 1C (CMT1C) and may be involved in the carcinogenesis of extramammary Paget's disease (EMPD). Multiple alternatively spliced transcript variants have been found for this gene.
Molecular Mass	17.1 kDa
AA Sequence	MSVPGPYQAATGPSSAPSAPPSYEETVAVNSYYPTPPAPMPGPTTGLVTGPDGKG MNPPSYTQPAPIPNNNPITVQTVYVQHPITFLDRPIQMCCPSCNKMIVSQLSYNAG ALTWLSCGSLCLLGCIAGCCFIPFCVDALQDVDHYCPNCRALLGTYKRLTRTRPLEQ

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	LITAF lipopolysaccharide-induced TNF factor [Homo sapiens (human)]
Official Symbol	LITAF
Synonyms	LITAF; lipopolysaccharide-induced TNF factor; lipopolysaccharide-induced tumor necrosis factor-alpha factor; FLJ38636; PIG7; SIMPLE; TP53I7; p53-induced gene 7 protein; LPS-induced TNF-alpha factor; tumor protein p53 inducible protein 7; lipopolysaccharide-induced TNF-alpha factor; small integral membrane protein of lysosome/late endosome; MGC116698; MGC116700; MGC116701; MGC125274; MGC125275; MGC125276;
Gene ID	9516
mRNA Refseq	NM_004862
Protein Refseq	NP_004853

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MIM	603795
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UniProt ID	Q99732
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