abcam

## Product datasheet

# Recombinant Human LITAF protein (denatured) ab150472

1 Image

### Description

| | |
|---|---|
| **Product name** | Recombinant Human LITAF protein (denatured) |
| **Purity** | > 85 % SDS-PAGE. |
| **Expression system** | Escherichia coli |
| **Accession** | Q99732 |
| **Protein length** | Full length protein |
| **Animal free** | No |
| **Nature** | Recombinant |
| **Species** | Human |
| **Sequence** | MGSSHHHHHH SSGLVPRGSH MSVPGPYQAA TGPSSAPSAP PSYEETVAVN SYYPTPPAPM PGPTTGLVTG PDGKGMNPPS YYTQPAPIPN NNPITVQTVY VQHPITFLDR PIQMCCPSCN KMIVSQLSYN AGALTWLSCG SLCLLGCIAG CCFIPFCVDA LQDVDHYCPN CRALLGTYKR L |
| **Predicted molecular weight** | 19 kDa including tags |
| **Amino acids** | 1 to 161 |
| **Tags** | His tag N-Terminus |

### Specifications

Our Abpromise guarantee covers the use of **ab150472** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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| **Applications** | SDS-PAGE |
| **Form** | Liquid |
| **Additional notes** | This product was previously labelled as LITAF |

### Preparation and Storage

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| **Stability and Storage** | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.<br>pH: 8.00<br>Constituents: 2.4% Urea, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine) |

## General Info

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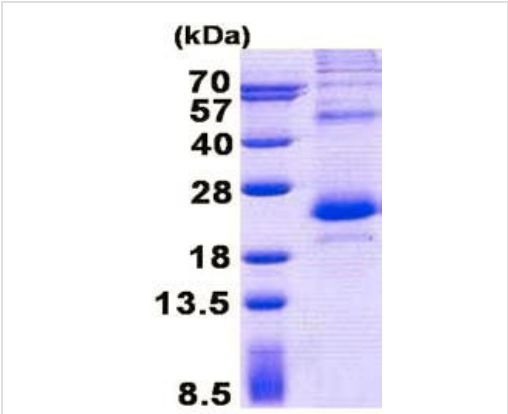
| **Function** | Probable role in regulating transcription of specific genes. May regulate through NFKB1 the expression of the CCL2/MCP-1 chemokine. May play a role in tumor necrosis factor alpha (TNF-alpha) gene expression. |
| **Tissue specificity** | Ubiquitously and abundantly expressed. Expressed predominantly in the placenta, peripheral blood leukocytes, lymph nodes and spleen. |
| **Involvement in disease** | Defects in LITAF are the cause of Charcot-Marie-Tooth disease type 1C (CMT1C) [MIM:601098]. CMT1C is a form of Charcot-Marie-Tooth disease, the most common inherited disorder of the peripheral nervous system. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology: primary peripheral demyelinating neuropathy or CMT1, and primary peripheral axonal neuropathy or CMT2. Neuropathies of the CMT1 group are characterized by severely reduced nerve conduction velocities (less than 38 m/sec), segmental demyelination and remyelination with onion bulb formations on nerve biopsy, slowly progressive distal muscle atrophy and weakness, absent deep tendon reflexes, and hollow feet.<br>Note=Defects in LITAF may be involved in extramammary Paget disease (EMPD) carcinogenesis. EMPD is a cancerous disease representing about 8% of all malignant skin cancers; it usually appears in the anogenital area and can be fatal by metastasizing to internal organs when left untreated for a long time. The clinical features are usually those of eczematous eruptions with weeping and crust formation. |
| **Domain** | The WW-binding motif mediates interaction with WWOX and, probably NEDD4. |
| **Cellular localization** | Lysosome membrane. Associated with membranes of lysosomes. |

## Images




SDS-PAGE - Recombinant Human Tbx1 protein (denatured) (ab150472)

15% SDS-PAGE analysis of 3 µg of ab150472.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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