

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 SYYTPPAPM PGPTTGLVTG PDGKGMNPPS YYQPAPIPN NNPITVQTVY VQHPITFLDR PIQMCCPSCN KMMSQLSYN 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.

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

Preparation and Storage

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.

pH: 8.00

Constituents: 2.4% Urea, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)

General Info

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.

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.

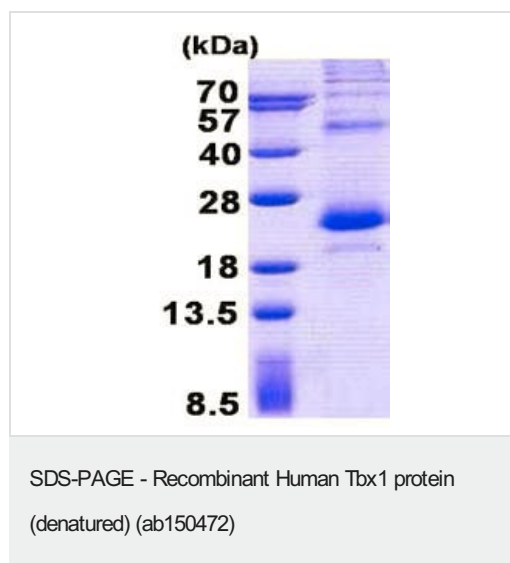
Domain

The WW-binding motif mediates interaction with WWOX and, probably NEDD4.

Cellular localization

Lysosome membrane. Associated with membranes of lysosomes.

Images



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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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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