

AR50770PU-N

Human LITAF (1-161, His-tag) - Purified

Alternate names:

LITAF, LPS-induced TNF-alpha factor, Lipopolysaccharide-induced tumor necrosis factor-alpha factor, PLG7, SIMPLE, Small integral membrane protein of lysosome/late endosome, p53-induced gene 7 protein

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

Lipopolysaccharide-induced TNF-alpha factor, also known as LITAF, is a small integral membrane protein of lysosome/late endosome. LITAF mediates the expression of inflammatory cytokines such as TNF-alpha in Lipopolysaccharide-induced processes. LITAF binds to STAT6B, a member of the STAT6 family forming a complex on the TNF-alpha promoter that modulates TNF activity. High levels of expression of LITAF mRNA have been observed predominantly in the placenta, peripheral blood leukocytes, lymph nodes and spleen.

Uniprot ID:

[Q99732](#)

NCBI:

[NP_004853](#)

GenelD:

[9516](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Description:

Recombinant human LITAF protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MSVPGPYQAA TGPSSAPSAP PSYEETVAVN SYYPPTPPAPM
PGPTTGLVTG PDGKGMNPPS YYTQPAPIPN NNPITVQTVY VQHPITFLDR PIQMCCPSCN
KMIVSQLSYN AGALTWLSCG SLCLLGCIAG CCFIPFCVDA LQDVDHYCPN CRALLGTYKR L

Molecular weight: 19.2 kDa (181aa)

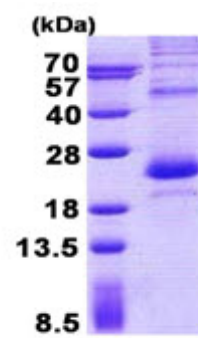
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Atucchi A., et al. (2006) Inflamm Bowel Dis. 13(1):120-121. Tang X., et al. (2005) Proc Natl Acad Sci USA. 102(14):5132-5137.

Pictures:



15% SDS-PAGE (3ug)