

**LITAF, 1-161aa Human, His tag, E.coli**

**Cat.NO.: TP02835**

3th Edition

**Synonyms:**Lipopolysaccharide-induced TNF-alpha factor, PIG7, SIMPLE

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

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**Molecular Weight:**19.2 kDa (181aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMSVPGPYQAATGPSSAPSAPPSYEETVAVNSYYPTPPAPMPGPTTGLVTGPDGK  
GMNPPSYYTQPAPIPNNNPITVQTVYVQHPITFLDRPIQMCCPSCNKMIVSQLSYNAGALTWLSGSLCLLGC  
CFIPFCVDALQDVDHYCPNCRALLGTYKRL

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.