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# Recombinant human LITAF protein

Catalog Number: ATGP1946

#### PRODUCT INFORMATION

#### **Expression system**

E.coli

#### **Domain**

1-161aa

#### **UniProt No.**

099732

#### **NCBI Accession No.**

NP 004853

#### **Alternative Names**

Lipopolysaccharide-induced TNF-alpha factor, PIG7, SIMPLE

### PRODUCT SPECIFICATION

#### **Molecular Weight**

19.2 kDa (181aa)

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE, Denatured

### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **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.



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## **Amino acid Sequence**

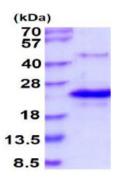
MGSSHHHHHH SSGLVPRGSH MSVPGPYQAA TGPSSAPSAP PSYEETVAVN SYYPTPPAPM PGPTTGLVTG PDGKGMNPPS YYTQPAPIPN NNPITVQTVY VQHPITFLDR PIQMCCPSCN KMIVSQLSYN AGALTWLSCG SLCLLGCIAG CCFIPFCVDA LQDVDHYCPN CRALLGTYKR L

#### **General References**

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.

# **DATA**

### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

