

Recombinant human LITAF protein

Catalog Number: ATGP1946

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-161aa

UniProt No.

Q99732

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

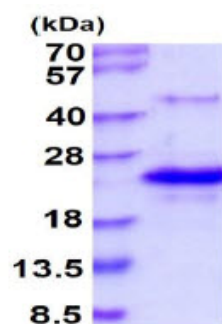
MGSSHHHHHH SSGLVPRGSH MSVPGPYQAA TGPSSAPSAP PSYEETVAVN SYYPTPPAPM PGPTTGLVTG PDGKGMNPPS
YYTQPAPIPN NNPITVQTVY VQHPITFLDR PIQMCCPSCN KMIVSQLSYN AGALTWLSCG SLCLLGCIAG CCFIPFCVDA
LQDVDHYCPN CRALLGTYKR L

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



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

15% SDS-PAGE (3ug)