
Product Data Sheet

Product Name: LITAF Human
 Cat. No.: GP23823
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Lipopolysaccharide-induced TNF-alpha factor; PIG7; SIMPLE; Lipopolysaccharide-induced tumor necrosis factor-alpha factor; LPS-induced TNF-alpha factor; p53-induced gene 7 protein; Small integral membrane protein of lysosome/late endosome; LITAF.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSVPGPYQAA TGPSSAPSAP PSYEETVAVN SYYTPPAPM PGPTTGLVTG PDGKGMNPPS YYTQPAPIPN NNPITVQTVY VQHPITFLDR PIQMCCPSCN KMIVSQLSYN AGALTWLSCG SLCLLGCIAG CCFIPFCVDA LQDVDHYCPN CRALLGTYKR L.		
Formulation	The LITAF solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

Lipopolysaccharide-induced TNF-alpha factor (LITAF) is a small integral membrane protein of lysosome/late endosome. The expression of inflammatory cytokines such as TNF-alpha in Lipopolysaccharide-induced processes is mediated by LITAF. LITAF connects to STAT6B, which belongs to the STAT6 family forming a complex on the TNF-alpha promoter that modifies TNF activity. High levels of expression of LITAF mRNA are observed mostly in the placenta, peripheral blood leukocytes, lymph nodes and spleen.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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LITAF Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 181 amino acids (1-161) and having a molecular mass of 19.2 kDa. LITAF is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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