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## Product Data Sheet

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Product Name: TIAF1 Human  
 Cat. No.: GP24833  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	TGFB1-Induced Anti-Apoptotic Factor 1; 12 KDa TGF-Beta-1-Induced Antiapoptotic Factor; Molecule Associated With Jak-3 N-Terminal; KIAA0216; MYO18A; MYSPDZ; MAJN; SPR210.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMSS PSSPFREQSF LCAAGDAGEE SRVQVLKNEV RRGSPVLLGW VEQAYADKCV CGPSAPPAPT PPSLSQRVMC NDLFKVNPFFQ LQQFRADPST ASLLLCPPGGL DHKLNLRGKA WG		
Formulation	The TIAF1 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

### Introduction

TGFB1-induced anti-apoptotic factor 1 (TIAF1) hinders the cytotoxic effects of TNF-alpha and overexpressed TNF receptor adapters TRADD, FADD, and RIPK1. The TIAF1 protein is involved in TGF-beta1 inhibition of IkappaB-alpha expression and suppression of TNF-mediated IkappaB-alpha degradation. TIAF1 is not detected in normal kidney and liver. TIAF1 is up-regulated in chronic and acute allograft rejection: expressed in the inflammatory infiltrate and in tubular epithelial cells.

### 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

TIAF1 Human Recombinant produced in E. coli is a single polypeptide chain containing

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

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152 amino acids (1-115) and having a molecular mass of 16.6 kDa. TIAF1 is fused to a 37 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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