

## TIAF1 Human

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

Catalog #: PRPS-1218

**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.

For research use only.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMSS  
PSSPFREQSF LCAAGDAGEE SRVQVLKNEV RRGSPVLLGW VEQAYADKCV CGPSAPPAPT  
PPSLSQRVMC NDLFKVNPFFQ LQQFRADPST ASLLCPGGL DHKLNLRGKA WG

**Purity:** Greater than 85% as determined by SDS-PAGE.

### Formulation:

The TIAF1 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

### 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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### 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 I kappa B-alpha expression and suppression of TNF-mediated I kappa B-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.

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