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## Product Data Sheet

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Product Name: TGIF2LY Human  
 Cat. No.: GP24817  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	TGIFLY; Homeobox protein TGIF2LY; TGF-beta-induced transcription factor 2-like protein; TGFB-induced factor 2-like protein; Y-linked; TGIF-like on the Y; TGIF2LY.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMEAAADG PAETQSPVEK DSPAKTQSPA QDTSIMSRNN ADTGRVLALP EHKKKRKGNL PAESVKILRD WMYKHRFKAY PSEEEKQMLS EKTNLSLLRI SNWFINARRR ILPDMLQRR NDPIIGHKTG KDAHATHLQS TEASVPAKSG PVVQTMKYAC PCGPCQRARC QERSNQIRSR PLARSSPE.		
Formulation	The TGIF2LY solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

### Introduction

TGFB-Induced Factor Homeobox 2-Like Y-Linked (TGIF2LY) is a part of the TALE/TGIF homeobox family of transcription factors. TGIF2LY is located in the male specific region of chromosome Y, in a block of sequence which is the outcome of a large X-to-Y transposition. TGIF2LY act as a regulator of TGIF2LX due to the fact that the C-terminus of TGIF2LY is different from that of its chromosome X homolog (TGIF2LX). TGIF2LY has also a transcription role in testis.

### 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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TGIF2LY Human Recombinant produced in E. coli is a single polypeptide chain containing 208 amino acids (1-185) and having a molecular mass of 23.2kDa. TGIF2LY is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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