
Product Data Sheet

Product Name: TCEAL7 Human
 Cat. No.: GP24794
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Transcription elongation factor A (SII)-like 7; TCEA-like protein 7; transcription elongation factor A protein-like 7; MGC23947; MPMGp800C04260Q003.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMQKPKCK ENEGKPKCSV PKREEKRPYG EFERQQTEGN FRQRLQSL EFKEDIDYRH FKDEEMTREG DEMERCL EEI RGLRKKFRAL HSNHRHSRDR PYPI		
Formulation	The TCEAL7 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 50% glycerol.		

Introduction

Transcription Elongation Factor A (SII)-Like 7 (TCEAL7) has a role in the negative regulation of NF-kappa-B signaling at the basal level by controlling transcriptional activity of NF-kappa-B on its target gene promoters. TCEAL7 links with cyclin D1 promoter containing Myc E-box sequence and transcriptionally inhibits cyclin D1 expression. TCEAL7 regulates telomerase reverse transcriptase expression and telomerase activity in both alternative lengthening of telomeres (ALT) and telomerase-positive cell lines. TCEAL7 is highly expressed in normal and fetal brain tissues, and weakly expressed in the uterus and ovary. TCEAL7 is down-regulated in epithelial ovarian, cervical, prostate, breast, brain and lung cancer cell lines and in the brain and ovarian tumors.

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.

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

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Background

TCEAL7 Human Recombinant produced in E. coli is a single polypeptide chain containing 124 amino acids (1-100) and having a molecular mass of 14.8 kDa. TCEAL7 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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