
Product Data Sheet

Product Name: TSN Human
 Cat. No.: GP24906
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Translin; TRSLN; BCLF-1; REHF-1; RCHF1; TBRBP; Recombination Hotspot-binding Protein; Recombination Hotspot Associated factor.		
Amino Acid Sequence	MSVSEIFVEL QGFLAAEQDI REEIRKVVQS LEQTAREILT LLQGVHQGAG FQDIPKRCLK AREHFGTVKT HLTSLKTKFP AEQYYRFHEH WRFVLQRLVF LAAFVVYLET ETLVTREAVT EILGIEPDRE KGFHLDVEDY LSGVLILASE LSRLSVNSVT AGDYSRPLHI STFINELDSG FRLNLKNDS LRKRYDGLKY DVKKVEEVVY DLSIRGFNKE TAAACVEK.		
Formulation	The TSN protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 100mM NaCl, and 10% glycerol.		

Introduction

Translin is a DNA and RNA binding protein that identifies specifically preserved target sequences at the breakpoint junction of chromosomal translocations. TSN forms a ring-shaped configuration, that is in charge of DNA binding, and in addition has a leucine zipper motif, which is believed to assist TSN to form dimers. TSN exports specific mRNAs out of the nucleus, reinforced by its localization in both the nuclei and cytoplasm of neurons, and regulates their translation.

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). Please avoid freeze thaw cycles

Background

TSN produced in E.Coli is a single, non-glycosylated polypeptide chain containing 228 amino acids (1-228a.a.) and having a molecular mass of 26.1kDa. TSN is purified by

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

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proprietary chromatographic techniques.

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