

TSN Human

Description: 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 proprietary chromatographic techniques.

Catalog #: PRPS-278

For research use only.

Synonyms: Translin, TRSLN, BCLF-1, REHF-1, RCHF1, TBRBP, Recombination Hotspot-binding Protein, Recombination Hotspot associated factor.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MSVSEIFVEL QGFLAAEQDI REEIRKVVQS LEQTAREILT
LLQGVHQGAG FQDIPKRCLK AREHFGTVKT HLTSLKTKFP AEQYYRFHEH WRFVLQRLVF
LAAFVVYLET ETLVTREAVT EILGIEPDRE KGFHLDVEDY LSGVLILASE LSRLSVNSVT
AGDYSRPLHI STFINELDSG FRLLNLKNDS LRKRYDGLKY DVKKVEEVVY DLSIRGFNKE
TAAACVEK

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The TSN protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0) 1mM DTT, 100mM NaCl, and 10% glycerol.

Usage:

NeoBiolabs 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:

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.

Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

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