

TSN, 1-297aa, Human, E.coli

Cat.NO.: TP04324

3th Edition

Synonyms:Translin, BCLF-1, RCHF1, REHF-1, TBRBP, TRSLN

Description:Translin, also known TSN, is a DNA and RNA binding protein which specifically recognizes conserved target sequences at the breakpoint junction of chromosomal translocations. Translin forms a ring-shaped structure, which is responsible for DNA binding, and also contains a leucine zipper motif, which is thought to enable translin to form dimers. Translin exports specific mRNAs out of the nucleus, supported by its localization in both the nuclei and cytoplasm of neurons, and regulates their translation. Recombinant human Translin protein, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol. 100mM NaCl

Molecular Weight:26.1kDa (228aa) confirmed by MALDI-TOF

Sequences:

MSVSEIFVELQGFLAAEQDIREEIRKVVQSLEQTAREILTLQGVHQGAGFQDIPKRCLKAREHFGTVKTHLTSCLKTK
FPAEQYYRFHEHWRFVLQRLVFLAAFVVYLETETLVTREAVTEILGIEPDREKGFHLDVEDYLSGVLILASELSRLSV
NSVTAGDYSRPLHISTFINELDSGFRLNLKNDSLRKRYDGLKYDVKKVEEVVYDLSIRGFNKETAACVEK

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.