

Recombinant Human Translin

Cat. No. TSN-2834H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Translin protein, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 26.1kDa (228aa) confirmed by MALDI-TOF.
Species	Human
Source	E.coli
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.
Sequences Of Amino Acids	MSVSEIFVEL QGFLAAEQDI REEIRKVVQS LEQTAREILT LLQGVHQGAG FQDIPKRCLK AREHFGTVKT HLTSLKTKFP AEQYYRFHEH WRFVLQRLVF LAAFVVYLET ETLVTREAVT EILGIEPDRE KGFHLDVEDY LSGVLILASE LSRLSVNSVT AGDYSRPLHI STFINELDSG FRLNLKNDS LRKRYDGLKY DVKKVEEVVY DLSIRGFNKE TAAACVEK
Purity	> 90% by SDS – PAGE.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol. 100mM

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	NaCl.
Concentration	1 mg/ml (determined by Bradford assay).
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.
GENE INFORMATION	
Gene Name	TSN translin [Homo sapiens]
Synonyms	TSN; translin; RCHF1; TBRBP; TRSLN; BCLF-1; REHF-1; OTTHUMP00000203715; OTTHUMP00000203716; recombination hotspot-binding protein; recombination hotspot associated factor
Gene ID	7247
mRNA Refseq	NM_004622
Protein Refseq	NP_004613
MIM	600575
UniProt ID	Q15631
Chromosome Location	2q21.1
Function	DNA binding; mRNA binding; protein binding; sequence-specific DNA binding



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