

Recombinant Human Translin, T7-tagged

Cat. No. TSN-3001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TSN protein was expressed in E.coli with T7-tag at the N-terminus. The molecular weight is 26183 Da(228 aa).
Species	Human
Source	E.coli
Description	Translin is a protein that in humans is encoded by the TSN gene. This gene encodes a DNA-binding protein which specifically recognizes conserved target sequences at the breakpoint junction of chromosomal translocations. Translin polypeptides form a multimeric structure that is responsible for its DNA-binding activity. Recombination-associated motifs and translin-binding sites are present at recombination hotspots and may serve as indicators of breakpoints in genes which are fused by translocations. These binding activities may play a crucial role in chromosomal translocation in lymphoid neoplasms.
Sequences of amino acids	1-228 aa
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN ₃ .
Purity	95%

GENE INFORMATION

Gene Name	TSN translin [Homo sapiens]
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Synonyms	RCHF1; TBRBP; TRSLN; BCLF-1; REHF-1; translin; 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
PDBrendering based on 1j1j.	