

Product datasheet for **RC201804**

Translin (TSN) (NM_004622) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Translin (TSN) (NM_004622) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Translin
Synonyms: BCLF-1; C3PO; RCHF1; REHF-1; TBRBP; TRSLN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC201804 representing NM_004622
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGTGAGCGAGATCTTCGTGGAGCTGCAGGGCTTTTTGGCTGCCGAGCAGGACATCCGAGAGGAAA
TCAGAAAAGTTGTACAGAGTTTAGAACAAACAGCTCGAGAGATTTAACTCTACTGCAAGGGTCCATCA
GGGTGCTGGGTTTCAGGACATCCAAAGAGGTGTTTGAAGCTCGAGAACATTTGGTACAGTAAAAACA
CATCTAACATCTTTGAAGACAAATTTCTGCTGAACAGTATTACAGATTCATGAGCACTGGAGTTTG
TGTTGCAGCGCTTGGTCTTCTGGCAGCATTTGTGTGATTTGGAAACAGAAACTAGTACTCGAGA
AGCAGTTACAGAAATCTTGGCATTGAGCCAGATCGGGAGAAAGGATTCATCTGGATGTAGAAGATTAT
CTCTCAGGAGTTCTAATCTTGGCAGTGAAGTGTGCGAGGCTGTCTGTCAACAGCGTACTGCTGGAGACT
ACTCCCGACCCCTCCACATCTCCACCTCATCAATGAGCTGGATTCGGTTTTCGCTTCTCAACCTGAA
AAATGACTCCCTGAGGAAGCGCTACGACGGATTGAAATATGACGTGAAGAAAGTAGAGGAAGTGGTCTAT
GATCTCTCCATCCGGGCTTTAATAAGGAGACGGCAGCAGCTTGTGTTGAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_004622.3](#)

RefSeq Size: 3408 bp

RefSeq ORF: 687 bp

Locus ID: 7247

UniProt ID: [Q15631](#)

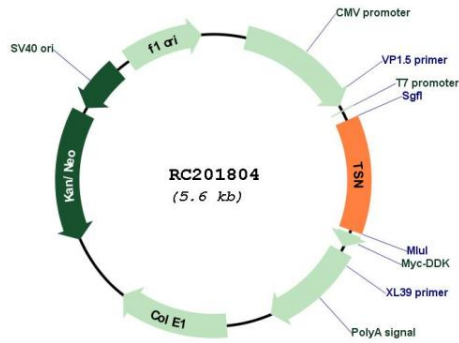
Cytogenetics: 2q14.3

Domains: Translin

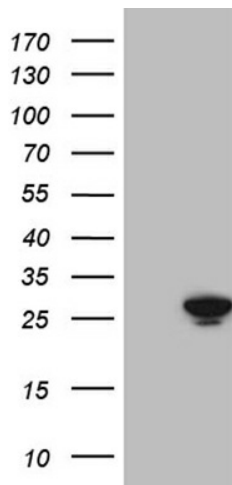
MW: 26 kDa

Gene Summary: 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. This protein encoded by this gene, when complexed with translin-associated protein X, also forms a Mg ion-dependent endoribonuclease that promotes RNA-induced silencing complex (RISC) activation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2012]

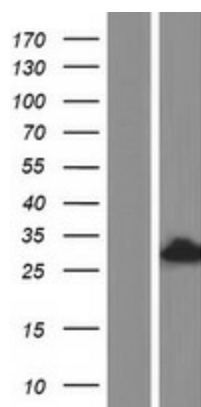
Product images:



Circular map for RC201804



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TSN (Cat# RC201804, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TSN (Cat# [TA809099])(1:2000). Positive lysates [LY417864] (100ug) and [LC417864] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY417864]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201804 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).