

Product datasheet for SC330703

Translin (TSN) (NM_001261401) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Translin (TSN) (NM_001261401) Human Untagged Clone
Tag: Tag Free
Symbol: Translin
Synonyms: BCLF-1; C3PO; RCHF1; REHF-1; TBRBP; TRSLN
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330703 representing NM_001261401.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTCGTGTGAGCGAGATCTTCGTGGAGCTGCAGGGCTTTTGGCTGCCGAGCAGGACATCCGAGAGGAA
 ATCAGAAAAGTTGTACAGAGTTTGAACAAACAGCTCGAGAGATTTAACTCTACTGCAAGGGGTCCAT
 CAGGGTGCTGGGTTTCAGGACATTCCAAGAGGTGTTGAAAGCTCGAGAACATTTTGGTACAGTAAAA
 ACACATCTAACATCTTTGAAGACCAATTTCTGCTGAACAGTATTACAGATTTTCATGAGCACTGGAGG
 TTTGTGTTGCAGCGCTTGGTCTTCTTGGCAGCATTGTTGTGTATTGGAACAGAAACACTAGTGACT
 CGAGAAGCAGTTACAGAAATTCTTGGCATCGAGGCTGTCTGTCAACAGCGTGACTGCTGGAGACTACTC
 CCGACCCCTCCACATCTCCACCTTCATCAATGA

Restriction Sites: SgfI-MluI

ACCN: NM_001261401

Insert Size: 447 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).


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Reconstitution Method:	<ol style="list-style-type: none"> 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:	<u>NM_001261401.1</u>
RefSeq Size:	3328 bp
RefSeq ORF:	447 bp
Locus ID:	7247
UniProt ID:	<u>Q15631</u>
Cytogenetics:	2q14.3
MW:	17.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 3' coding region, compared to variant 1, which results in a frameshift and a protein (isoform 2) with a shorter and distinct C-terminus, compared to isoform 1.</p>