

## Product datasheet for **SC325249**

### T Plastin (PLS3) (NM\_001136025) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	T Plastin (PLS3) (NM_001136025) Human Untagged Clone
Tag:	Tag Free
Symbol:	T Plastin
Synonyms:	BMND18; T-plastin
Vector:	<u><a href="#">pCMV6 series</a></u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001136025, the custom clone sequence may differ by one or more nucleotides

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ATGGATGAGATGGCTACCACTCAGATTTCCAAAGATGAGCTTGATGAACTCAAAGAGGCC
TTTGCAAAGTTGATCTCAACAGCAACGGATTCATTTGTGACTATGAACTTCATGAGCTC
TTCAAGGAAGCTAATATGCCATTACCAGGATATAAAGTGAGAGAAATTATTCAGAAACTC
ATGCTGGATGGTGACAGGAATAAAGATGGGAAAATAAGTTTTGACGAATTTGTTTATATT
TTTCAAGAGGTA AAAAGTAGTGATATTGCCAAGACCTTCGCAAGCAATCAACAGGAAA
GAAGGTATTTGTGCTCTGGGTGGAACCTCAGAGTTGTCCAGCGAAGGAACACAGCATTCT
TACTCAGAGGAAGAAAAATATGCTTTTGTAACTGGATAAAACAAAGCTTTGGAAAATGAT
CCTGATTGTAGACATGTTATACCAATGAACCCTAACACCGATGACCTGTTCAAAGCTGTT
GGTGATGGAATTGTGCTTTGTA AATGATTAACCTTTCAGTTCCTGATACCATTGATGAA
AGAGCAATCAACAAGAAGAACTTACACCCTTCATCATTGAGGAAAACCTGAACTTGCCA
CTGAACTCTGCTCTGCCATTGGGTGTCATGTTGTGAACATTGGTGCAGAAGATTTGAGG
GCTGGGAAACCTCATCTGGTTTTGGGACTGCTTTGGCAGATCATTAAAGATCGGTTTGTC
GCTGACATTGAATTAAGCAGGAATGAAGCCTTGGCTGCTTTACTCCGAGATGGTGAGACT
TTGGAGGAACTTATGAAATTGTCTCCAGAAGAGCTTCTGCTTAGATGGGCAAACTTTCAT
TTGAAAACCTCGGGCTGGCAAAAATTAACAACCTTGTAGTCTGACATCAAGGATTCAAA
GCCTATTTCCATCTTCTCAATCAATCGCACAAAAGGACAAAAGGAAGGTGAACCACGG
ATAGATATTAACATGTCAGGTTTCAATGAAACAGATGATTTGAAGAGAGCTGAGAGTATG
CTTCAACAAGCAGATAAATTAGTTGACAGACAGTTTGTACCCCTGCTGATGTTGTCAGT
GGAAACCCCAAACCTCAACTTAGCTTTGCTGGCTAACCTGTTTAAATAAATACCCAGCACTA
ACTAAGCCAGAGAACCAGGATATTGACTGGACTCTATTAGAAGGAGAAAACCTCGTGAAGAA
AGAACCTTCCGTAACCTGGATGAACTCTCTTGGTGTCAATCCTCACGTAACCATCTCTAT
GCTGACCTGCAAGATGCCCTGGTAATCTTACAGTTATATGAACGAATTAAGTTCCTGTT
GACTGGAGTAAGTTAATAAACCTCCATACCCGAAACTGGGAGCCAACATGAAAAAGCTA
GAAAACCTGCAACTATGCTGTTGAATTAGGGAAGCATCCTGCTAAATTCTCCCTGGTTGGC
ATTGGAGGGCAAGACCTGAATGATGGGAACCAAACCTGACTTTAGCTTTAGTCTGGCAG
CTGATGAGAAGATATACCTCAATGTCCTGGAAGATCTTGGAGATGGTCAGAAAGCCAAT
GACGACATCATTGTGAACTGGGTGAACAGAACGTTGAGTGAAGCTGGAAAATCAACTTCC
ATTCAGAGTTTTAAGGACAAGACGATCAGCTCCAGTTTGGCAGTTGTGGATTTAATTGAT
GCCATCCAGCCAGGCTGTATAA ACTATGACCTTGTGAAGAGTGGCAATCTAACAGAAGAT
GACAAGCACAATAATGCCAAGTATGCAGTGTCAATGGCTAGAAGAATCGGAGCCAGAGTG
TATGCTCTCCCTGAAGACCTTGTGGAAGTAAAGCCCAAGATGGTCATGACTGTGTTTGCA
TGTTTGATGGGCAGGGGAATGAAGAGAGTG

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**Restriction Sites:** Please inquire

**ACCN:** NM\_001136025

**Insert Size:** 3341 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

**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\\_001136025.1](#), [NP\\_001129497.1](#)

**RefSeq Size:** 3341 bp

**RefSeq ORF:** 1893 bp

**Locus ID:** 5358

**UniProt ID:** [P13797](#)

**Cytogenetics:** Xq23

**Gene Summary:** Plastins are a family of actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. In humans, two ubiquitous plastin isoforms (L and T) have been identified. Plastin 1 (otherwise known as Fimbrin) is a third distinct plastin isoform which is specifically expressed at high levels in the small intestine. The L isoform is expressed only in hemopoietic cell lineages, while the T isoform has been found in all other normal cells of solid tissues that have replicative potential (fibroblasts, endothelial cells, epithelial cells, melanocytes, etc.). The C-terminal 570 amino acids of the T-plastin and L-plastin proteins are 83% identical. It contains a potential calcium-binding site near the N terminus. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Feb 2010]

Transcript Variant: This variant (2) contains an alternate 5' non-coding exon compared to variant 1. Variants 1 and 2 encode the same isoform (1).