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# S1 Protection

National Cancer Institute

## Source

National Cancer Institute. *S1 Protection*. NCI Thesaurus. Code C19241.

Molecular biology procedure used to determine the 5' end or 3' end of a nucleic acid molecule, or the location of the junction between spliced molecules. Used most commonly to determine the 5' end of RNA transcripts. Based on the protection afforded an end-labeled DNA probe from nuclease S1 digestion after hybridization with a target molecule. The length of the protected probe indicates the end or molecular junction of the target nucleic acid sequence.