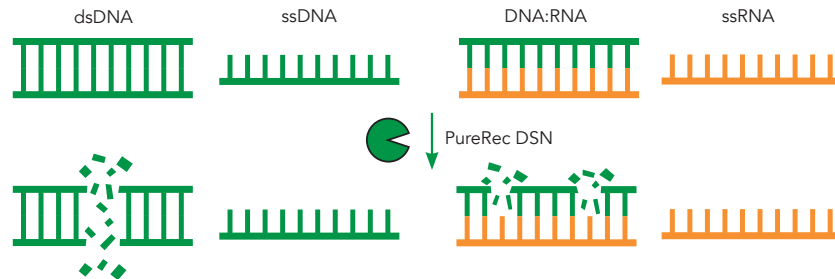


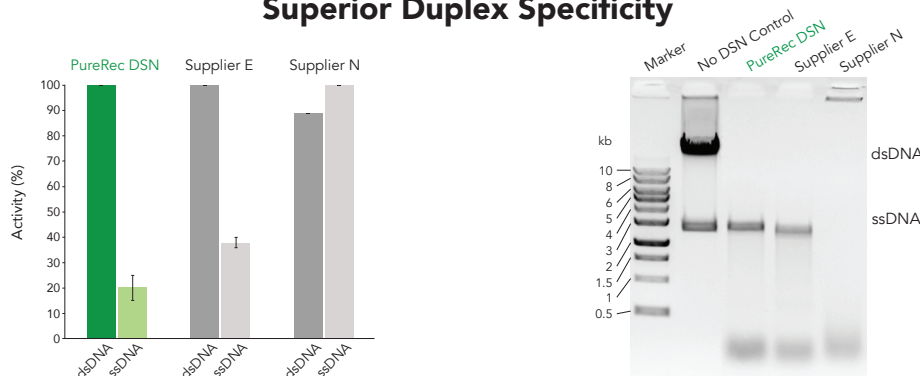
PureRec Duplex-Specific Nuclease (DSN)

Recombinant, RNase-free & Protease-free

- **Highest Specificity:** Selectively digests dsDNA and DNA in DNA-RNA hybrids; virtually inactive towards ssDNA or RNA
- **Premium Purity:** RNase-free, protease-free, and animal-free
- **Thermostable:** Able to withstand high temperatures without denaturation or loss in activity

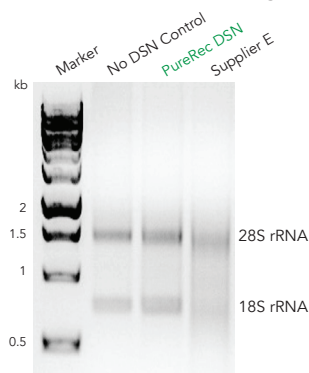


Superior Duplex Specificity



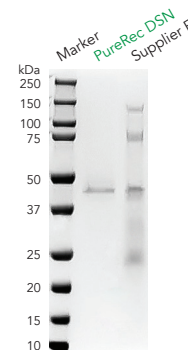
PureRec DSN is the most specific for duplex DNA compared to other duplex-specific nucleases. Specificity was measured based on the ratio of dsDNA (*E. coli*, genomic) versus ssDNA (phage, M13mp18) degradation in a DNA mixture.

Free of RNase Activity



PureRec DSN exhibited no RNA degradation compared to Supplier E. RNase contamination was based on HeLa RNA degradation when incubated for 10 minutes with 10 U of DSN.

Exceptional Purity



PureRec DSN is >95% pure while Supplier E is only 25%. The assessment was conducted using 10 U of each DSN and visualized by SDS-PAGE.

Product	Cat. No.	Size
PureRec Duplex-Specific Nuclease (DSN)	E1020-200 E1020-1000	200 U 1000 U



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