



## REALcut™ MSCI

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REALcut™ enzymes are a series of engineered restriction enzymes that are capable of fast DNA digestion; the enzymes are able to digest DNA in 5~15 minutes. This enables any combination of restriction enzymes to work simultaneously in one reaction tube and eliminates the need for sequential digestions. All REALcut™ enzymes have passed multiple strict quality controls, and can be used to digest plasmid, genomic and viral DNA as well as PCR products.

REALcut™ enzymes show superior activity in the Universal buffer and Color buffer, supplied with all the enzymes. The Color Buffer includes a density reagent along with red and yellow tracking dyes that allow for direct loading of the reaction mixtures on a gel. The red dye of the Color Buffer migrates with 2.5 kb double-strand DNA fragments in a 1% agarose gel, and the yellow dye migrates with 10bp double-strand DNA fragments in a 1% agarose gel.

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|-------------------|----------------------------|
| Catalog No.       | 516111                     |
| Size              | 30 rxns                    |
| Product Category  | Restriction Enzymes        |
| Isoschizomers     | Ball, MlsI, Mox20I, Msp20I |
| Cut Site          | TGGCCA                     |
| Total Units       | 150U                       |
| Concentration     | 5U/uL                      |
| Total Volume      | 30uL                       |
| Reaction Volume   | 1uL/Rxn                    |
| Storage/Stability | -20°C/1 year               |
| Shipping          | Gel Packs                  |

