# LbuCas13a (C2c2) (from Leptotrichia buccalis)

Lbu Cas13a (C2c2) (from Leptotrichia wadei) is a member of the Cas13a family of proteins. Derived from Leptotrichia buccalis. It binds with crRNA to form functional complex, that specifically recognizes DNA sequences, and trans-cleaves ssRNA.

Lwa Cas13a forms a functional complex with crRNA, "gliding" over target RNA, and upon successful pairing, Cas13 is specifically activated, trans-cleaving the surrounding reporter molecule. This feature can be used in the field of molecular diagnostics to detect pathogens.

Material Supplied:

1) Lbu Cas131 protein

2) Reaction Buffer [10x]

3) Diluent Buffer [1x]

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| Catalog No. | 518017 |
| Size | 1,000 pmol / 500 pmol |
| Product Category | Isothermal Amplification |
| Storage/Stability | -20°C/1 year |
| Shipping | Gel Packs |