

# Recombinant Clostridium botulinum HA-33 protein, His-SUMO & Myc-tagged

**Cat. No.** HA-33-4019C    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Clostridium botulinum HA-33 protein(P46084)(2-286aa), fused to N-terminal His-SUMO tag and C-terminal Myc tag, was expressed in E. coli.                                                                                                                                                            |
| <b>Species</b>          | Clostridium botulinum                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 2-286aa                                                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.<br>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                           |
| <b>Molecular Mass</b>   | 53.6 kDa                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | SQTNANDLRNNEVFFISPSNNTNKVLDKISQSEVKLWNKLSGANQKWRLIYDTNKQA<br>YKIKVMDNTSLILTWNAPLSSVSVKTDNNGDNQYWYLLQNYISRNVIIRNYMNPNLVL<br>QYNIDDTLMVSTQTSSSNQFFKFSNCIYEALNNRNCKLQTQLNSDRFLSKNLNSQIIV<br>LWQWFDSSRQKWII EYNETKSAYTLKCQENNRYLTWIQNSNNYVETYQSTD SLIQY<br>WNINYLDNDASKYILYNLQDTNRVLDVYNSQIANGTHVIVDSYHGNTNQQWIINLI |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                     |

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**Storage**

Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution**

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

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