CLAIMS

1. A mutant v1.13 meningococcal factor H binding protein (fHbp) polypeptide comprising an amino acid sequence having at least 80% sequence identity to SEQ ID NO: 2, wherein the amino acid sequence of the v1.13 meningococcal fHbp polypeptide comprises substitution mutations of SEQ ID NO: 2 including the substitution mutation S216R and substitution mutation E211A.

2. The mutant v1.13 meningococcal fHbp polypeptide of claim 1, wherein the amino acid sequence comprises substitution mutations of SEQ ID NO: 2 including the substitution mutation S216R, the substitution mutation E211A, and substitution mutation E232A.

3. The mutant v1.13 meningococcal fHbp polypeptide of claim 1, comprising or consisting of the amino acid sequence of SEQ ID NO: 4.