

Claims

1. A recombinant pre-fusion respiratory syncytial virus (RSV) Fusion (F) protein, comprising an amino acid sequence of SEQ ID NO: 1 for use in the prophylaxis of RSV infection.
2. Pre-fusion RSV F protein for use according to claim 1, comprising at least one epitope that is specific to the pre-fusion conformation F protein, wherein the at least one epitope is recognized by a pre-fusion specific monoclonal antibody, comprising a heavy chain CDR1 region of SEQ ID NO: 4, a heavy chain CDR2 region of SEQ ID NO: 5, a heavy chain CDR3 region of SEQ ID NO: 6 and a light chain CDR1 region of SEQ ID NO: 7, a light chain CDR2 region of SEQ ID NO: 8, and a light chain CDR3 region of SEQ ID NO: 9 and/or a pre-fusion specific monoclonal antibody, comprising a heavy chain CDR1 region of SEQ ID NO: 10, a heavy chain CDR2 region of SEQ ID NO: 11, a heavy chain CDR3 region of SEQ ID NO: 12 and a light chain CDR1 region of SEQ ID NO: 13, a light chain CDR2 region of SEQ ID NO: 14, and a light chain CDR3 region of SEQ ID NO: 15.
3. Pre-fusion RSV F protein for use according to claim 1 or 2, wherein the protein is trimeric.