

## mRNA-SB100X

mRNA-SB100X (Sleeping Beauty 100X Transposase) is a ready-to-use mRNA product encoding the Sleeping Beauty transposase. It is suitable for the development of non-viral gene transfer systems and cell therapy research. SB100X offers a highly efficient and safe platform for gene integration and has been widely applied in the development of T cell and NK cell therapies.

Name	Cat.No	Scale	State
mRNA-SB100X	HX-mRNA171	1mg	Lyophilized/Liquid

**Concentration:** 1mg/mL

**Storage Buffer:** ddH<sub>2</sub>O pH=7.0

**mRNA length:** 1320 nt

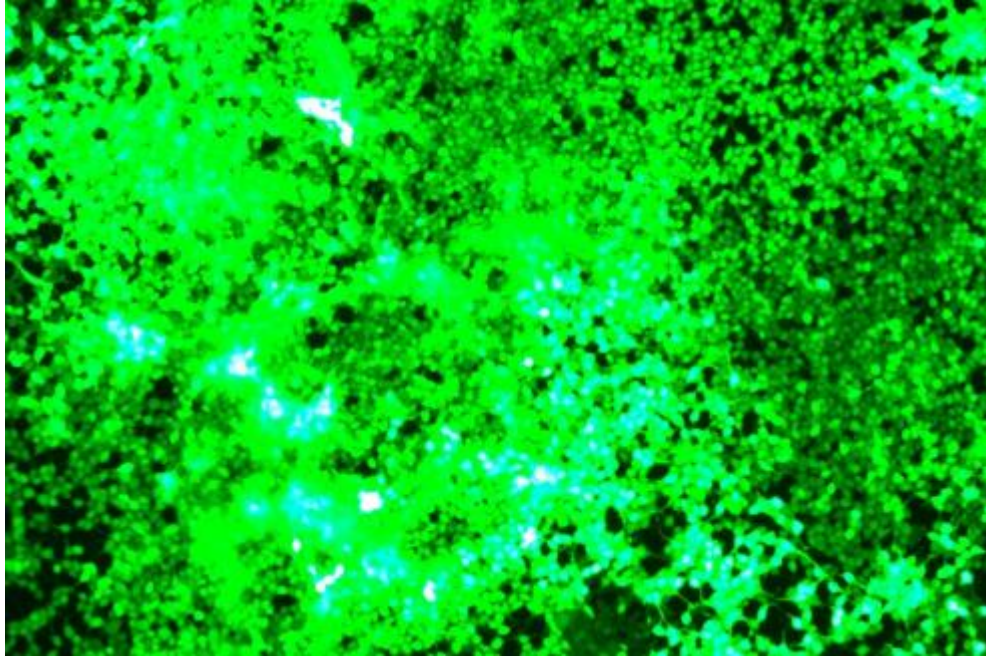
**Amino acid sequence size:** 340 kDa

**Handling and Storage:** store at – 80°C for long term

**Cell Expression result:**

Cell Line: 293T Culture Plate: 96-well plate Cell Conluency: 80%

Transfection Dose: 200 ng per well



**Amino acid sequence:**

MGKSKEISQDLRKRIVDLHKSGSSLGAISKRLAVPRSSVQTIVRKYKHHGTTQPSYRS  
GRRRVLSPRDERTLVRKVQINPRTTAKDLVKMLEETGTKVSISTVKRVLYRHNLKGHS  
ARKKPLLQNRHKKARLRFATAHGDKDRTFWRNVLWSDETKIELFGHNDHRYVWRK  
KGEACKPKNTIPTVKHGGGSIMLWGCFAAGGTGALHKIDGIMDAVQYVDILKQHLKT  
SVRKLKLGKRWVFQHDNDPKHTSKVVAKWLKDNKVKVLEWPSQSPDLNPIENLWA  
ELKKRVRARRPTNLTQLHQLCQEEWAKIHPNYCGKLVEGYPKRLTQVKQFKGNATKY