

mRNA-hyPBase

mRNA-hyPBase (Hyperactive PiggyBac Transposase) is a ready-to-use mRNA product encoding a hyperactive PiggyBac transposase. It is suitable for research in gene transposition, cellular reprogramming, and genetic modification. hyPBase enables highly efficient gene integration with low off-target effects and is widely used in applications such as CAR-T cell production and functional genomics studies.

Name	Cat.No	Scale	State
mRNA-hyPBase	HX-mRNA170	1mg	Lyophilized/Liquid

Concentration: 1mg/mL

Storage Buffer: ddH₂O pH=7.0

mRNA length: 2082 nt

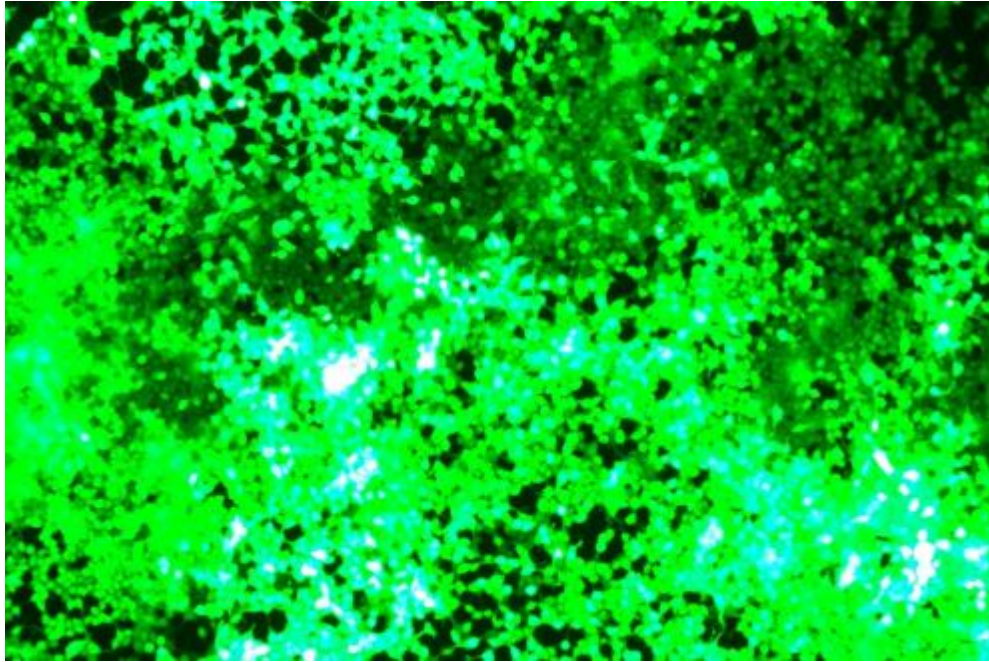
Amino acid sequence size: 594 kDa

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:

MGSSLDDEHILSALLQSDDELVGEDSDSEVSDHVSEDDVQSDTEEFIDEVHEVQP
TSSGSEILDEQNVIEQPGSSLASNRILTLPQRTIRGKNKHCWSTSKPTRRSRVSALNIV
RSQRGPTRMCRNIYDPLLCFKLFFTDEIIEIVKWTNAEISLKRRESMTSATFRDTNED
EYAFFGILVMTAVRKDNHMSTDDLFDRLSMVYVSVMSRDRDFLIRCLRMDDKSIR
PTLRENDVFTPVRKIWDLFIHQCIQNYTPGAHLTIDEQLLGFRGRCPFVYIPNKPSKY
GIKILMMCDSGTKYMINGMPYLGRGTQTNGVPLGEYYVKELSKPVHGSCRNITCDN
WFTSIPLAKNLLQEPYKLTIVGTVRSNKREIPEVLKNSRSPVGTSMFCFDGPLTLVSY
KPKPAKMVYLLSSCDEDASINESTGKPMVMYQNQTGGVDTLDMCSVMTCSRK
TNRWPMALLYGMINIACINSFIIYSHNVSSKGEKVQSRKKFMRNLYMGLTSSFMRKRL
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