

mRNA

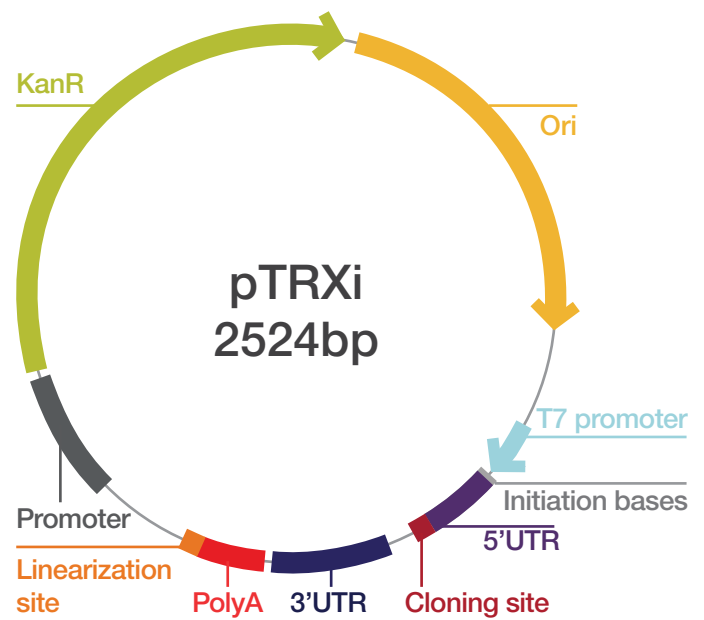
pTRXi plasmid DNA backbone

Streamline your mRNA product development and save costs with our fit-for-purpose solution

Optimal plasmid design not only involves essential features such as an origin of replication and selection markers (which enable the plasmid to propagate within a host organism), but also structures that serve the need of the intended therapy.

Through modifications to this plasmid backbone, therapeutic developers can leverage optimized elements for their desired application or customize the design to fit their needs. To help streamline mRNA product development, Thermo Fisher Scientific offers a license-free, plasmid DNA backbone “pTRXi” with multiple customizable components.

Clone your GOI into pTRXi to support a variety of mRNA application areas, from therapeutics to personalized cancer vaccines. pTRXi supports a range of GOI sizes, with the following opportunities for customization:



T7 pol prom	Initiation bases	5'UTR	GOI	3'UTR	PolyA tail
<ul style="list-style-type: none"> • WT T7 pol promoter • Custom 	<ul style="list-style-type: none"> • AG • GG • Custom 	<ul style="list-style-type: none"> • Ubiquitous FTO UTR • Custom 		<ul style="list-style-type: none"> • Ubiquitous FTO UTR • Custom 	<ul style="list-style-type: none"> • 80A • 100A • 120A • Custom • Optional hairpin

Contact us for more information on how you can leverage pTRXi or other components of our end-to-end mRNA service offering.

Contact us

Learn more at thermofisher.com/patheon
or email us at pharmaservices@thermofisher.com
or call +1 919 226 3200