UNIVERSAL PRIMER
Technical Data Sheet (TDS)

OLIGO NAME	REF#	CHEMISTRY	BASES
PURE*frex*™ Long T7 primer	UN-PR500-005	DNA	85

SEQUENCE (5' → 3')

5' GAA ATT AAT ACG ACT CAC TAT AGG GAG ACC ACA ACG GTT TCC CTC TAG AAA TAA TTT TGT TTA ACT
T7 promoter
TTA AGA AGG AGA TAT ACC A
RBS 3'

BACKBONE (BASES + LINKAGES)

A	32	GC (%)[1]	34.1	Quantity	(OD@260nm)	4.30
C	15	MW ($g.mol^{-1}$)[1]	26208.0		(nmol)	5.0
G	14	Ext. coeff. ($l.mol^{-1}.cm^{-1}$)[1]	859300		(µg)	131.0
T	24	Tm (°C)[1]	66.0			
Wobbles	0					

[1] *Theoretical values*

PURIFICATION(S)

HPLC-RP

QUALITY CONTROL(S)

MS - CGE — Passed

DELIVERY CONDITION

Room Temperature

RECONSTITUTION

To make up to 100 µM concentration, add 50 µl of recommended buffer.
To make up to 20 µM concentration, add 250 µl of recommended buffer.
To make up to 5 µM concentration, add 1000 µl of recommended buffer.

LONG-TERM STORAGE

-20 °C

COMMENTS

General: Tm (°C) calculated with 50 mM NaCl and 0 % formamide (PCR conditions)
Specific:

TECHNICAL SUPPORT

If you have any questions feel free to call our Oligo Centre

EUROPE

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