

Table 1
Kinetic parameters for HsPDF with a comparison to other peptide deformylases

Enzyme	Substrate	V_{\max} ($\mu\text{mol}/\text{min}/\text{mg}$)	K_m (μM)	K_{cat} (s^{-1})	K_{cat}/K_m ($\text{M}^{-1}\text{s}^{-1}$)
HsPDF	fMAS	0.023 ± 0.002	$11,000 \pm 1600$	0.0081	0.74
	fMLF (fMLP)	NDA	NDA	NDA	NDA
	fML- <i>p</i> NA	0.0013 ± 0.0005	47 ± 7	0.00046	9.8
EcPDF ^a	fMAS	NR	3900	210	54,000
EcPDF ^b	fML- <i>p</i> NA	NR	20.3	38	1,900,000
AtPDF1A ^c	fMAS	0.20	710	0.078	110
	fML- <i>p</i> NA	0.11	240	0.044	180
PfPDF ^d	fML- <i>p</i> NA	NR	NR	NR	3100

Abbreviations: NDA, no detectable activity; NR, not reported.

^aRef. [21].

^bRef. [16].

^cRef. [9].

^dRef. [11].