

Kinetic parameters of soluble cytochrome b₅ reductase from human erythrocytes

Substrate	Constant	Value	Reference	Notes
Ferricytochrome b ₅	K _M	7.1 μM	(Sugita, Nomura et al. 1971)	44000× purification, pH 6.6, 25°C
		10 μM	(Shirabe, Yubisui et al. 1989)	Cloned in <i>E. coli</i>
		100 μM	(Kuma 1981)	130000× purification, pH 7.0, 23°C
	Turnov. nr.	1280/min	(Passon, Reed et al. 1972)	pH 8.1, 25°C
		4550/min	(Sugita, Nomura et al. 1971)	44000× purification, pH 6.6, 25°C
		34000/min	(Kuma 1981)	130000× purification, pH 7.0, 23°C
NADH	K _M	5.7 μM	(Sugita, Nomura et al. 1971)	44000× purification, pH 6.6, 25°C. K _M obtained with 2,6-dichlorophenolindophenol as substrate
		1 μM	(Shirabe, Yubisui et al. 1989)	Cloned in <i>E. coli</i>
		1.6 μM	(Passon, Reed et al. 1972)	pH 8.1, 25°C
Methemoglobin	K _M	311 μM	(Sugita, Nomura et al. 1971)	44000× purification, pH 6.6, 25°C
		Turnov. nr.	6.5/min	(Sugita, Nomura et al. 1971)