

L-Glutamate Oxidase (recombinant)

Code:	AMS.YMS-80049 (formerly Seikagaku cat# 100646)
Enzyme:	L-Glutamate Oxidase (EC 1.4.3.11)
Product name:	L-Glutamate Oxidase (recombinant) 25
Appearance:	Lyophilized powder
Figure:	25 units/vial
Source:	Recombinant <i>E. coli</i>
Character:	
Molecular weight	140,000
Subunit	$\alpha_2\beta_2\gamma_2$ (α :43,000, β :17,000, γ :10,000)
Thermo stability	Stable below 60 °C (30min at pH 6)
pH stability	pH 4 - 10 (60min at 50 °C)
Optimum pH	pH 7 - 9
<i>K_m</i>	0.2 mM
Substrate specificity	L-Glu 100% L-Gln 0% L-Asp 0% D-Glu 0%
	0% for other 16 kinds of L-amino acids
Storage:	Keep dry in a refrigerator
Note:	For Resarch Use Only
Reference:	Arima, J. et al., J.Biochem. 134, 805-812 (2003)

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