

## proline dehydrogenase

Cat. No. EXWM-1557 Lot. No. (See product label)

Introduction	
Description	A flavoprotein (FAD). The electrons from L-proline are transferred to the FAD cofactor, and from there to a quinone acceptor. In many organisms, ranging from bacteria to mammals, proline is oxidized to glutamate in a two-step process involving this enzyme and EC 1.2.1.88, L-glutamate γ-semialdehyde dehydrogenase. Both activities are carried out by the same enzyme in enterobacteria.
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Product Information	
Form	Liquid or lyophilized powder
EC Number	EC 1.5.5.2
CAS No.	9050-70-8
Reaction	L-proline + a quinone = $(S)$ -1-pyrroline-5-carboxylate + a quinol
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

## Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C $\sim$ -80 °C.