

Uricase, Recombinant

Product Information

Cat#	DIA-294
Similar	UO
Description	The enzyme urate oxidase (UO), or uricase or factor-independent urate hydroxylase, absent in humans, catalyzes the oxidation of uric acid to 5-hydroxyisourate: Uric acid + O ₂ + H ₂ O → 5-hydroxyisourate + H ₂ O ₂ → allantoin + CO ₂
Activity	About 10U/mg
CAS No.	9002-12-4
Unit Definition	One unit will convert 1μmol uric acid to oxidize per min at pH 8.5 and at 37°C.
Storage	4°C, store at -20°C for long-term preservation.
Synonyms	urate oxidase; uric acid oxidase; uricase; uricase; urate: oxygen oxidoreductase; EC 1.7.3.3; uricase II
Enzyme Commission Number	EC 1.7.3.3
Purity	>90% (SDS-PAGE test)
Buffer	20mM Tris, pH8.0
Abbr	UO, Recombinant
Alias	UO
Applications	Uricase can catalyze the enzymatic oxidation of uric acid to allantoin rapidly, so it is used to detect the amount of uric acid in the serum and urine.
Appearance	White powder, lyophilized
Molecular Weight	About 45kDa (SDS-PAGE detection)