

Uricase from *Candida utilis*, Recombinant

Product Information

Cat#	DIA-404
Similar	UO
Source	Escherichia coli
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	> 6 U/mg
CAS No.	9002-12-4
Unit Definition	One unit of activity is defined as the amount of enzyme that will transform of 1.0 micromole of substrate per minute at 25°C under standard assay method conditions.
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
pH Stability	7.6 to 10.0
Optimum pH	8.5
Optimum temperature	55°C
Thermal stability	Stable at 55°C and below.
Abbr	UO, Recombinant (<i>Candida utilis</i>)
Applications	Used in the enzymatic determination of uric acid.
Appearance	White to cream powder
Molecular Weight	34kDa (SDS-PAGE)

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Species	<i>Candida utilis</i>
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