Creative Enzymes®

Guanine deaminase from Human, Recombinant

Cat. No. NATE-1285

Lot. No. (See product label)

Introduction

Description	GDA is an enzyme responsible for the hydrolytic deamination of guanine. Studies in rat ortholog suggest this gene plays a role in microtubule assembly. Multiple transcript variants encoding different isoforms have been found for this gene. Recombinant human GDA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Synonyms	Guanine deaminase; CYPIN; GUANASE; NEDASIN; guanine aminase; GAH; guanine aminohydrolase; GDA

Product Information

Species	Human
Source	E. coli
Appearance	Liquid
Form	1 mg/ml solution 20 mM Tris-HCl buffer (pH 8.0), 10% glycerol and 1 mM DTT.
Molecular Weight	53 kDa (477 aa, 1-454 aa + His Tag)
Purity	> 90% determined by SDS-PAGE
Activity	> 0.9 unit/ml
Unit Definition	One unit will deaminate 1.0 μmole of guanine to xanthine per minute at pH 8.0 at 25°C.

Storage and Shipping Information

Storage	at -20°C