

## 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  $\mu$ mole of guanine to xanthine per minute at pH 8.0 at 25°C.

### Storage and Shipping Information

#### Storage

at -20°C