

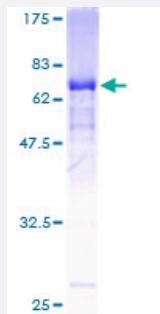
## Full-Length

# GDA (Human) Recombinant Protein (P01)

Catalog # H00009615-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human GDA full-length ORF ( AAH53584, 1 a.a. - 454 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MCAAQMPPLAHIFRGTFVHSTWTCMEVLRDHLGVS DSGKMFLEEASQQEKLAKIEWCFKPCE  
IRELSHHEFFMPGLVDTHIHASQYSFAGSSIDLPLEWLTKYTFPAEHRFQNI DFAEEVYTRVVRT  
LKN GTTTACYFATIHTDSSLLADITDKFGQRA FVGKVCMDLNDTFPEYKETTESIKETERFVSEM  
LQKNYSRVKPMVTPRFSLS CSETLMGELGNI AKTRDLHIQSHISENRDEVEAVKNLYPSYKNYTSVY  
DKNNLLTNKTVMAHG CYLSAEELNVFHERGASIAHCPNSNLSLSSGFLNVLEVLKHEVKIGL GTDV  
AGGYSYSMLDAIRRAVMVSNILLINKVNEKSLTLKEVFRLATLGGSQALGLDGEIGNFEVGKEFDAI  
LINPKASDSPIDLFYGDFFGDISEAVIQKFLYLGDDRNIEEVYGGKQVVPFSSSV

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

75.68

### Interspecies Antigen Sequence

Mouse (90); Rat (90)

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Storage Buffer      | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction | Store at -80°C. Aliquot to avoid repeated freezing and thawing.          |
| Note                | Best use within three months from the date of receipt of this protein.   |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — GDA

|                     |                                                                                                                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">9615</a>                                                                                                                                                                                                                 |
| GeneBank Accession# | <a href="#">BC053584</a>                                                                                                                                                                                                             |
| Protein Accession#  | <a href="#">AAH53584</a>                                                                                                                                                                                                             |
| Gene Name           | GDA                                                                                                                                                                                                                                  |
| Gene Alias          | CYPIN, GUANASE, KIAA1258, MGC9982, NEDASIN                                                                                                                                                                                           |
| Gene Description    | guanine deaminase                                                                                                                                                                                                                    |
| Omim ID             | <a href="#">139260</a>                                                                                                                                                                                                               |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                            |
| Gene Summary        | The protein encoded by this gene is an enzyme that catalyzes the hydrolytic deamination of guanine, producing xanthine and ammonia. It is also known as a cytosolic regulator of PSD-95 postsynaptic targeting. [provided by RefSeq] |
| Other Designations  | OTTHUMP00000021463                                                                                                                                                                                                                   |

## Publication Reference

- [Autism-specific maternal autoantibodies recognize critical proteins in developing brain.](#)

Braunschweig D, Krakowiak P, Duncanson P, Boyce R, Hansen RL, Ashwood P, Hertz-Picciotto I, Pessah IN, Van de Water J. Translational Psychiatry 2013 Jul; 3:e277.

Application: WB, Antibody

## Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)

## Disease

- [Tobacco Use Disorder](#)