

Bioactive

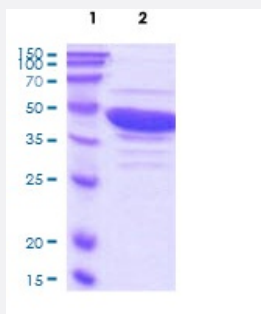
Full-Length

# GDA (Human) Recombinant Protein

Catalog # P7979

Size 20 ug

## Applications



## Specification

### Product Description

Human GDA (Q9Y2T3, 1 a.a. - 454 a.a.) full length recombinant protein expressed in *Escherichia coli*.

### Sequence

MCAAQMPPLAHIFRGTFVHSTWTCMEVLRDHLGVS DSGKMFLEEASQQEKLAKIEWCFKPCE  
IRELSHHEFFMPGLVDTHIHASQYSFAGSSIDLPLEWLTKYTFPAEHRFQNI DFAEEVYTRVVRT  
LKN GTTTACYFATIHTDSSLLADITDKFGQRA FVGKVCMDLNDTFPEYKETTESIKETERFVSEM  
LQKNYSRVKPMTPRFSLS CSETLMGELGNI AKTRDLHIQSHISENRDEVEAVKNLYPSYKNYTSVY  
DKNNLLTNKTVMAHG CYLSAEELNVFHERGASIAHCPNSNLSLSSGFLNVLEV LKHEVKIGLGTDV  
AGGYSYSMLDAIRRAVMVSNILLINKVNEKSLTLKEVFRLATLGGSQALGLDGEIGNFEVGKEFDAI  
LINPKASDSPIDLFYGDFFGDISEAVIQKFLYLGDDRNIEEVYGGKQVVPFSSSV

### Host

Escherichia coli

### Theoretical MW (kDa)

51

### Form

Liquid

### Preparation Method

*Escherichia coli* expression system

### Purity

> 90% by SDS-PAGE

### Activity

Specific activity is > 2000 pmol/min/ug, and is defined as the amount of enzyme that convert guanine to xanthine per minute at pH 8.0 at 37°C.

Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol, 1 mM DTT)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — GDA

Entrez GeneID	<a href="#">9615</a>
Protein Accession#	<a href="#">Q9Y2T3</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

## Pathway

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

## Disease

- [Tobacco Use Disorder](#)