

Active Recombinant Human GDA Protein

Cat. No. GDA-354H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GDA Protein (1-454 aa) is produced by E. coli expression system.
Species	Human
Source	E.coli
ProteinLength	1-454 aa
Description	GDA, also known as guanine deaminase, catalyzes the hydrolytic deamination of guanine, producing xanthine and ammonia. 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, was expressed in E. coli and purified by conventional chromatography techniques.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT
Bio-activity	Specific activity is > 2,000 pmol/min/ug, and is defined as the amount of enzyme that convert guanine to xanthine per minute at pH 8.0 at 37 centigrade.
Molecular Mass	51kDa (454 aa) confirmed by MALDI-TOF
AA Sequence	MCAAQMPPLA HIFRGTFVHS TWTCPMEVLR DHLLGVSDSG KIVFLEEASQ QEKLAKIEWCF KPCEIRELSH HEFFMPGLVD THIHASQYSF AGSSIDLPLL EWLTKYTFPA EHRFQNIDFA

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 45-1 Ramsey Road, Shirley, NY 11967, USA

EEVYTRVVRR TLKNGTTTAC YFATIHTDSS LLLADITDKF GQRAFVGKVC
 MDLNDTFPEY KETTEESIKE TERFVSEMLQ KNYSRVKPIV TPRFSLSCSE
 TLMGELGNIA KTRDLHIQSH
 ISENRDEVEA VKNLYPSYKN YTSVYDKNNL LTNKTVMAHG CYLSAEELNV
 FHERGASIAH CPNSNLSLSS GFLNVLEVLK HEVKIGLGTD VAGGYSYSML
 DAIRRAVMVS NILLINKVNE
 KSLTLKEVFR LATLGGSQAL GLDGEIGNFE VGKEFDAILI NPKASDSPID
 LFYGDFFGDI SEAVIQKFLY LGDDRNIIEV YVGGKQVVPF SSSV

Purity > 90% by SDS - PAGE

Applications Enzyme Activity; SDS-PAGE

Notes For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Storage Can be stored at +2 centigrade to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by absorbance at 280nm)

GENE INFORMATION

Gene Name GDA guanine deaminase [Homo sapiens]

Official Symbol GDA

Synonyms GDA; GAH; CYPIN; GUANASE; NEDASIN; MGC9982; KIAA1258;

Gene ID 9615

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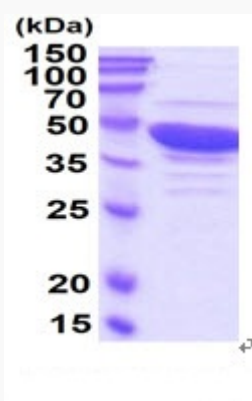
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mRNA Refseq [NM_001242505](#)

Protein Refseq [NP_001229434](#)

MIM [139260](#)

UniProt ID [Q9Y2T3](#)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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