

# Recombinant Full Length Human GDA Protein, GST-tagged

**Cat. No.** GDA-5191HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | Human GDA full-length ORF ( AAH53584, 1 a.a. - 454 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 454 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | 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                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 75.68 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MCAAQMPPLAHIFRGTFVHSTWTCPEVLRDHLGVSDSGKIVFLEEASQQEKLAK<br>EWCFCPCIEIRLSHHEFFMPGLVDTHIHASQYSFAGSSIDLPLEWLTKYTFPAEHRF<br>QNIDFAEEVYTRVVRRTLKNGTTTACYFATIHTDSSLLLADITDKFGQRAFGVKVCMD<br>LNDTFPEYKETTESIKETERFVSEMLQKNYSRVKPIVTPRFSLSCSETLMGELGNIA<br>KTRDLHIQSHISENRDEVEAVKNLYPSYKNYTSVYDKNLLTNKTVMAHGCYLSAEE<br>LNVFHERGASIAHCPNSNLSLSSGFLNVLEVLLKHEVKIGLGTDVAGGYSYSMLDAIRR<br>AVMVSNILLINKVNEKSLTLKEVFRLATLGGSQALGLDGEIGNFEVGKEFDAILINPKA<br>SDSPIDLFYGDFFGDISEAVIQKFLYLGDDRNIIEVYVGGKQVVPFSSSV |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                   |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                       |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                     |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                     |
| <b>GENE INFORMATION</b> |                                                                                                                                                              |
| <b>Gene Name</b>        | GDA guanine deaminase [ Homo sapiens ]                                                                                                                       |
| <b>Official Symbol</b>  | GDA                                                                                                                                                          |
| <b>Synonyms</b>         | GDA; guanine deaminase; GAH; p51-nedasin; guanine aminase; guanine aminohydrolase; cytoplasmic PSD95 interactor; CYPIN; GUANASE; NEDASIN; MGC9982; KIAA1258; |
| <b>Gene ID</b>          | 9615                                                                                                                                                         |
| <b>mRNA Refseq</b>      | NM_001242505                                                                                                                                                 |
| <b>Protein Refseq</b>   | NP_001229434                                                                                                                                                 |
| <b>MIM</b>              | 139260                                                                                                                                                       |
| <b>UniProt ID</b>       | Q9Y2T3                                                                                                                                                       |

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