



# Recombinant Human Guanine deaminase (GDA)

<b>Product Code</b>	CSB-EP009337HU-B
<b>Abbreviation</b>	GDA
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9Y2T3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MCAAQMPPLA HIFRGTFVHS TWTCPMEVLR DHLLGVSDSG KIVFLEEASQ QEKLAKWCF KPCEIRELSH HEFFMPGLVD THIHASQYSF AGSSIDLPLL EWLTKYTFPA EHRFQNI DFA EEVYTRVRR TLKNGTTTAC YFATIHTDSS LLLADITDKF GQRA FVGKVC MDLNDTFPEY KETTEESIKE TERFVSEMLQ KNYSRVKPIV TPRFSLSCSE TLMGELGNIA KTRDLHIQSH ISEN RDEVEA VKNLYPSYKN YTSVYDKNL LTNKTVMAHG CYLSAEELNV FHERGASIAH CPNSNLSLSS GFLNVLEVLK HEVKIGLGT D VAGGYSYSML DAIRRAVMVS NILLINKVNE KSLTLKEVFR LATLGG SQAL GLDGEIGNFE VGKEFDAILI NPKASDSPID LFGDFFGDI SEAVIQKFLY LGDDR NIEEV YVGGKQVVPF SSSV
<b>Source</b>	E.coli
<b>Target Names</b>	GDA
<b>Protein Names</b>	Recommended name: Guanine deaminase Short name= Guanase Short name= Guanine aminase EC= 3.5.4.3 Alternative name(s): Guanine aminohydrolase Short name= GAH p51-nedasin
<b>Expression Region</b>	1-454
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This protein 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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

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