
Product Data Sheet

Product Name: GDA Human
 Cat. No.: GP21668
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Guanine Deaminase; Guanine Aminohydrolase; Guanine Aminase; P51-Nedasin; EC 3.5.4.3; GUANASE; GAH; Cytoplasmic PSD95 Interactor; KIAA1258; NEDASIN; CYPIN.		
Amino Acid Sequence	MCAAQMPPLA HIFRGTFVHS TWTCPMEVLR DHLLGVSDSG KIVFLEEASQQEKLAKWCF KPCEIRELSH HEFFMPGLVD THIHASQYSF AGSSIDLPLL EWLTKYTFPA EHRFQNI DFAEEVYTRVRR TLKNGTTTAC YFATIHTDSS LLLADITDKF GQRA FVGKVC MDLNDTFPEY KETTEESIKETERFVSEMLQ KNYSRVKPIV TPRFSLSCSE TLMGELGNIA KTRDLHIQSH ISEN RDEVEA VKNLYPSYKNYTSVYDKNNL LTNKTVMAHG CYLSAEELNV FHERGASIAH CPNSNLSLSS GFLNVLEVLK HEVKIGLGT DVAGGYSYSML DAIRRAVMVS NILLINKVNE KSLTLKEVFR LATLGGSQAL GLDGEIGNFE VGKEFDAILINPKASDSPID LFYGDFFGDI SEAVIQKFLY LGDDRNIIEV YVGGKQVVPF SSSV.		
Formulation	GDA protein solution (1mg/ml) containing Phosphate Buffered Saline (pH 7.4), 10% glycerol and 1mM DTT.		

Introduction

GDA is a member of the ATZ/TRZ family and is in charge for the hydrolytic deamination of guanine. GDA takes part in microtubule assembly. Multiple transcript variants encoding different isoforms have been found for GDA.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

GDA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 454 amino acids (1-454 a.a) and having a molecular mass of 51kDa. GDA is purified by proprietary chromatographic techniques.

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