
Product Data Sheet

Product Name: GDA Human, His
 Cat. No.: GP21669
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CYPIN; GUANASE; NEDASIN; Guanine aminase; Guanine aminohydrolase; GAH; p51-nedasin.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMCAAQMP PLAHIFRGTF VHSTWTCPME VLRDHLLGVS DSGKIVFLEE ASQQEKLAKL WCFKPCEIRE LSHHEFFMPG LVDTHIHASQ YSFAGSSIDL PLEWLTKYT FPAEHRFQNI DFAEEVYTRV VRRTLKNGTT TACYFATIHT DSSLLLADIT DKFGQRAFGV KVCMDLNDTF PEYKETTES IKETERFVSE MLQKNYSRVK PIVTPRFSL CSETLMGELG NIAKTRDLHI QSHISENRDE VEAVKNLYPS YKNYTSVYDK NLLTNKTVM AHGCYLSAEE LNVFHERGAS IAHCPSNLS LSSGFLNVLE VLKHEVKIGL GTDVAGGYSY SMLDAIRRAV MVSNILLINK VNEKSLTLKE VFRLATLGGS QALGLDGEIG NFEVGKEFDA ILINPKASDS PIDLFYGDFF GDISEAVIQK FLYLGDDRNI EEVYVGGKQV VPFSSSV.		
Formulation	The GDA solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 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.

Background

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

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GDA Human Recombinant produced in E. coli is a single polypeptide chain containing 477 amino acids (1-454) and having a molecular mass of 53kDa. GDA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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