

GDA Human

Description: 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.

Catalog #: ENPS-689

For research use only.

Synonyms: CYPIN, GUANASE, NEDASIN, Guanine aminase, Guanine aminohydrolase, GAH, p51-nedasin.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MGSMCAAQMP PLAHIFRGTF
VHSTWTC PME VLRDHLLGVS DSGKIVFLEE ASQKEKLAK WCFKPCEIRE LSHHEFFMPG
LVDTHIHASQ YSFAGSSIDL PLLEWLTKYT FPAEHRFQNI DFAEEVYTRV VRRTLKNGTT
TACYFATIHT DSSLLADIT DKFGQRAVFG KVCMDLNDTF PEYKETTES IKETERFVSE
MLQKNYSRVK PI

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The GDA solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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