

GDA, 1-454aa, Human, His-tag, E.coli (Bioactivity Validated)

Cat.NO.: TP02217

3th Edition

Synonyms:Guanine deaminase, CYPIN, GUANASE, NEDASIN.

Description:GDA is an enzyme responsible for the hydrolytic deamination of guanine. Studies in rat ortholog suggest this gene plays a role in microtubule assembly. Multiple transcript variants encoding different isoforms have been found for this gene. Recombinant human GDA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Molecular Weight:53kDa (477aa),

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMCAAQMPPLAHIFRGTFVHSTWTCPMEVLRDHLLGVSDSGKIVFLEEASQQ
EKLAKEWCFKPCREIRESHHEFFMPGLVDTHIHASQYSFAGSSIDLPLEWLTKYTFPAEHRFQIDFAEEVYTRVV
RRTLKNGTTTACYFATIHTDSSLLLADITDKFGQRAFVGKVCMDLNDTFPEYKETTEESIKETERFVSEMLQKNYSR
VKPIVTPRFSLSCSETLMGELGNIKTRDLHIQSHISENRDEVEAVKNLYPSYKNYTSVYDKNNLLTNKTVMAHGCVL
SAEELNVFHERGASIAHCPNSNLSLSSGFLNVLEVLKHEVKIGLGTDVAGGYSYMLDAIRRAVMVSNILLINKVNEK
SLTLKEVFRLATLGGSQALGLDGEIGNFEVGKEFDAILINPKASDSPIDLFYGDFFGDISEAVIQKFLYLGDDRNIIEVY
VGGKQVVPFSSSV

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.