

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

Cat.NO.: TP02216

3th Edition

Synonyms:Guanine deaminase isoform b , CYPIN, GUANASE, NEDASIN, CYPIN,Cytoplasmic PSD95 interactor, D10S105E, GAH, GDAGUAD_HUMAN, Guanase.

Description:GDA, also known as guanine deaminase, catalyzes the hydrolytic deamination of guanine, producing xanthine and ammonia. 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, was expressed in E.coli and purified by conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

Molecular Weight:51kDa (454 aa), confirmed by MALDI-TOF

Sequences:

MCAAQMPPLAHIFRGTFVHSTWTCPMEVLRDHLGLVSDSGKIVFLEEASQQEKLAKWCWCFKPCREIRELSHHEFFMP
GLVDTHIHASQYSFAGSSIDLPLEWLTKYTFPAEHRFQNIIDFAEEVYTRVVRRTLKNGTTTACYFATIHTDSSLLAD
ITDKFGQRAFVGVKVCMDLNDTFPEYKETTEESIKETERFVSEMLQKNYSRVKPIVTPRFSLSCSETLMGELGNIKT
RDLHIQSHISENRDEVEAVKNLYPSYKNYTSVYDKNLLTNKTVMAHGCYLSAEELNVFHERGASIAHCPNSNLSLS
SGFLNVLEVLKHEVKIGLGTDVAGGYSYSMLDAIRRAVMVSNILLINKVNEKSLTLKEVFRLATLGGSQALGLDGEIG
NFEVKGKEFDAILINPKASDSPIDLFYGDFFGDISEAVIQKFLYLGDDRNIIEVYVGGKQVVPFSSSV

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by absorbance at 280nm)

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.