

Recombinant human Guanine deaminase/GDA protein

Catalog Number: ATGP1922

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-454aa

UniProt No.

Q9Y2T3

NCBI Accession No.

NP_004284

Alternative Names

Guanine deaminase isoform b, Guanase, Guanine aminase, Guanine aminohydrolase, GAH, p51-nedasin, CYPIN, Cytoplasmic PSD-95 interactor

PRODUCT SPECIFICATION

Molecular Weight

53 kDa (477aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMCAAQMP PLAHIFRGTF VHSTWTC PME VLRDHLLGVS DSGKIVFLEE ASQQEKLAK
WCFKPCEIRE LSHHEFFMPG LVDTHIHASQ YSFAGSSIDL PLLEWLTKYT FPAEHRFQNI DFAEEVYTRV VRRTLKNGTT
TACYFATIHT DSSLLLADIT DKFGQRAFGV KVCMDLNDTF PEYKETTEES IKETERFVSE MLQKNYSRVK PIVTPRFSL
CSETLMGELG NIAKTRDLHI QSHISENRDE VEAVKNLYPS YKNYTSVYDK NLLTNKTVM AHGCYLSAEE LNVFHERGAS
IAHCPNSNLS LSSGFLNVLE VLKHEVKIGL GTDVAGGYSY SMLDAIRRAV MVSNILLINK VNEKSLTLKE VFRLATLGGS
QALGLDGEIG NFEVKGFEFDA ILINPKASDS PIDLFYGDFF GDISEAVIQK FLYLGDDRNI EEVYVGGKQV VPFSSSV

General References

Gang Yuan, James C. Bin, et al. (1999). J. Biol. Chem. 274(12):8175-80.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)