

RPPB1684

Product Information Protein Information

Product SKU:

RPPB1684

Accession:

Q9Y2T3

Host:

Escherichia Coli.

Protein 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.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Guanine Deaminase, Guanine Aminohydrolase, Guanine Aminase, P51-Nedasin, EC 3.5.4.3, GUANASE, GAH, Cytoplasmic PSD95 Interactor, KIAA1258, NEDASIN, CYPIN.

Formulation:

GDA protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.15M NaCl, 10% glycerol, 1mM DTT.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

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.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MGSMAQAQMP PLAHIFRGTF VHSTWTC PME VLRDHLGVS DSGKIVFLEE
ASQKEKLAK E WCFKPCEIRE LSHHEFFMPG LVDTHIHASQ YSFAGSSIDL PLEWLTKYT FPAEHRFQNI
DFAEEVYTRV VRRTLKNGTT TACYFATIHT DSSLLADIT DKFGQRAVFG KVCMDLNDTF PEYKETTEES
IKETERFVSE MLQKNYSRVK PIVTPRFSLS CSETLMGELG NIAKTRDLHI QSHISENRDE VEAVKNLYPS
YKNYTSVYDK NLLTNKTV M AHGCYLSAEE LNVFHERGAS IAHCPNSNLS LSSGFLNVLE VLKHEVKIGL
GTDVAGGYSY SMLDAIRRAV MVSNILLINK VNEKSLTLKE VFRLATLGGS QALGLDGEIG NFEVGKEFDA
ILINPKASDS PIDLYGDFF GDISEAVIQK FLYLGDDRNI EEVYVGGKQV VPFSSSV.

Biological Activity:

Specific activity is > 2,000 pmol/min/ug, and is defined as the amount of enzyme that convert guanine to xanthine per minute at pH 8.0 at 37C.