

RPPB1685

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## Product Information    Protein Information

**Product SKU:**

RPPB1685

**Host:**

Escherichia Coli.

**Protein description:**

GDA Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 477 amino acids (1-454 a.a) and having a molecular mass of 53.4kDa. 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, Guanase, Guanine aminase, Guanine aminohydrolase, GAH.

**Formulation:**

GDA protein solution (0.5mg/ml) containing 20mM Tris-HCl(pH8.0), 0.15M NaCl, 1mM DTT and 10% glycerol .

**Purity:**

Greater than 95.0% 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 SSSLVPRGSH MGSMCAARTP PLALVFRGTF VHSTWTC PME VLRDHL LGVS DSGKIV FLEE  
SSQKEKLAK E WCFKPCEIRE LSHHEFFMPG LVDTHIHAPQ YAFAGSNVDL PLEWLNKYT FPTEQRFRST  
DVAEEVYTRV VRR TLKNGTT TACYFGTIHT DSSLILAEIT DKFGQRAVFG KVCMDLNDTV PEYKETTEES  
VKETERFVSE MLQKNYPRVK PIVTPRFTLS CTETLMSELG NIAKTHDLYI QSHISENREE IEAVKSLYPS  
YKNYTDVYDK NLLTNKTVM AHGCVLSEEE LNIFSERGAS IAHC PNSNLS LSSGLLN VLE VLKHKVKIGL  
GTDVAGGYSY SMLDAIRRAV MVS NVLLINK VNEKNLTLKE VFRLATLGGS QALGLDSEIG NFEVGKEFDA  
LLINPRASDS PIDLFYGFV GDISEAVIQK FLYLGDDRNI EEVYVGGKQV VPFS SSV.

**Biological Activity:**

Specific activity is > 4,000 pmol/min/ug, and is defined as the amount of enzyme that convert guanine to xanthine per minute at pH 8.0 at 37°C.