

Active Recombinant Mouse Gda Protein, His-tagged, Bioactivity Validated

Cat. No. Gda-219M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gda(1-454aa) fused with His tag at N-terminal was expressed in E. coli. Bioactivity Validated.
Species	Mouse
Source	E.coli
ProteinLength	1-454aa
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.
Form	Liquid. In 20mM Tris-HCl(pH8.0) containing 0.15M NaCl, 1mM DTT, 10% glycerol
Bio-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 37C.
Molecular Mass	53.4 kDa (477aa) Confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMCAARTP PLALVFRGTF VHSTWTC PME VLRDHLLGV S DSGKIVFLEE SSQKEKLAK WCFKPCEIRE LSHHEFFMPG LVDTHIHAPQ YAFAGSNVDL PLLEWLNKYT FPTEQRFRST

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DVAEEVYTRV VRRTLKNGTT TACYFGTIHT DSSLILAEIT
 DKFGQRAFGV KVCMDLNDTV PEYKETTES VKETERFVSE MLQKNYPRVK
 PIVTPRFTLS CTETLMSELG NIAKTHDLYI QSHISENREE
 IEAVKSLYPS YKNYTDVYDK NNLLTNKTVM AHGCYLSEEE LNIFSERGAS
 IAHCPSNLS LSSGLLVLE VLKHKVKIGL GTDVAGGYSY
 SMLDAIRRAV MVSNNVLLINK VNEKNLTLKE VFRLATLGGS QALGLDSEIG
 NFEVGKEFDA LLINPRASDS PIDLFYGDFV GDISEAVIQK
 FLYLGDDRNI EEVYVGGKQV VPFSSSV

Purity > 95% by SDS - PAGE

Applications SDS-PAGE

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

Concentration 0.5 mg/ml (determined by Absorbance at 280)

GENE INFORMATION

Gene Name [Gda guanine deaminase \[Mus musculus \]](#)

Official Symbol [Gda](#)

Synonyms GDA; guanine deaminase; GAH; guanase; guanine aminase; guanine aminohydrolase; AU015411; AW047581;

Gene ID [14544](#)

mRNA Refseq [NM_010266](#)

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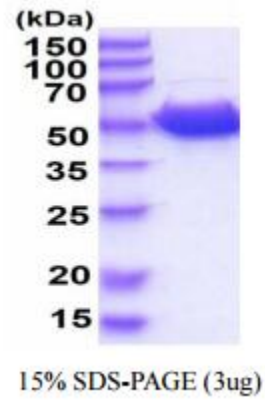
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Protein Refseq NP_034396

UniProt ID Q9R111



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