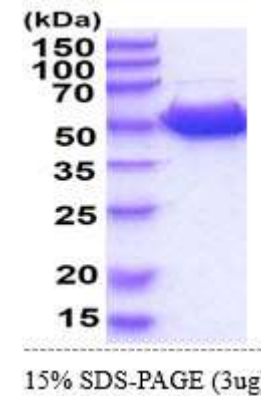


GDA, Mouse Recombinant

CATALOG NO:	P1219-5 P1219-20	5 µg 20 µg
ALTERNATE NAMES:	Guanine deaminase, Guanase, Guanine aminase, GAH, Guanine aminohydrolase	
CONCENTRATION:	0.5 mg/ml (determined by Absorbance at 280)	
SOURCE:	<i>E.coli</i> (1-454aa)	
PURITY:	> 95% by SDS-PAGE	
MOL. WEIGHT:	This protein is fused with 6x His tag at N terminus and the protein has a calculated MW of 53.4 kDa (477aa)	
FORM:	Liquid	
FORMULATION:	In 20 mM Tris-HCl buffer (pH8.0) containing 0.15 M NaCl, 1 mM DTT, 10% glycerol	
STORAGE CONDITIONS:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.	
SEQUENCE:	<p>MGSSHHHHHH SSSLVPRGSH MGSMCAARTP PLALVFRGTF VHSTWTC PME VLRDHLLGVS DSGKIVFLEE SSQKEKLAKE WCFKPCEIRE LSHHEFFMPG LVDTHIHAPQ YAFAGSNVDL PLLEWLNKYT FPTEQRFIRST DVAEEVYTRV VRRTLKNGTT TACYFGTIHT DSSLILAEIT DKFGQRAFGV KVCMDLNDTV PEYKETTEES VKETERFVSE MLQKNYPRVK PIVTPRFTLS CTETLMSELG NIAKTHDLYI QSHISENREE IEAVKSLYPS YKNYTDVYDK NNLLTNKTVM AHGCYLSEEE LNIFSERGAS IAHCPNSNLS LSSGLLVNLE VLKHKVKIGL GTDVAGGYSY SMLDAIRRAV MVSNNLLINK VNEKNLTLKE VFRLATLGGS QALGLDSEIG NFEVGKEFDA LLINPRASDS PIDLFYGDFV GDISEAVIQK FLYLGDDRNI EEVYVGGKQV VPFSSSV</p>	
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 mouse Gda, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by conventional chromatography techniques.	
SPECIFIC ACTIVITY:	Specific activity is > 4,000 pmol/min/ug, and is defined as the amount of enzyme that converts guanine to xanthine per minute at pH 8.0 at 37°C.	



Mouse recombinant GDA

RELATED PRODUCT:

- GPT1/ALT1, human recombinant (**Cat. No. 7805-100**)
- Alanine Aminotransferase (ALT or SGPT) Activity Assay Kit (**Cat. No. K752-100**)
- Alanine Colorimetric/Fluorometric Assay Kit (**Cat. No. K652-100**)
- GDA, human recombinant (**Cat. No. 7807-100**)

FOR RESEARCH USE ONLY! Not to be used on humans.