Datasheet for ABIN5854994

GDA Protein (AA 1-454) (His tag)

1 Image

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Overview

Quantity:	5 µg
Target:	GDA
Protein Characteristics:	AA 1-454
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GDA protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMCAARTP PLALVFRGTF VHSTWTCPME VLRDHLLGVS DSGKIVFLEE SSQQEKLAKE WCFKPCEIRE LSHHEFFMPG LVDTHIHAPQ YAFAGSNVDL PLLEWLNKYT FPTEQRFRST DVAEEVYTRV VRRTLKNGTT TACYFGTIHT DSSLILAEIT DKFGQRAFVG KVCMDLNDTV PEYKETTEES VKETERFVSE MLQKNYPRVK PIVTPRFTLS CTETLMSELG NIAKTHDLYI QSHISENREE IEAVKSLYPS YKNYTDVYDK NNLLTNKTVM AHGCYLSEEE LNIFSERGAS IAHCPNSNLS LSSGLLNVLE VLKHKVKIGL GTDVAGGYSY SMLDAIRRAV MVSNVLLINK VNEKNLTLKE VFRLATLGGS QALGLDSEIG NFEVGKEFDA LLINPRASDS PIDLFYGDFV GDISEAVIQK FLYLGDDRNI EEVYVGGKQV VPFSSSV
Purity:	> 95 % by SDS - PAGE
Biological Activity Comment:	Specific activity is > 4,000 pmol/min/ug, and is defined as the amount of enzyme that convert

Product Details

	guanine to xanthine per minute at pH 8.0 at 37C.

Target Details

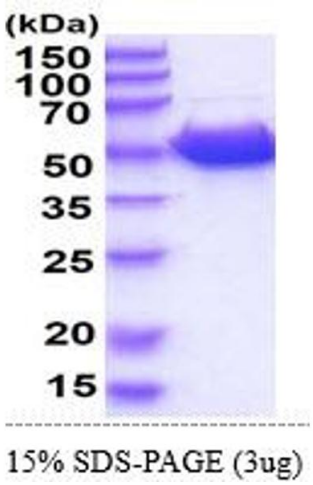
Target:	GDA
Alternative Name:	Gda (GDA Products)
Background:	Gda, also known as guanine deaminase, catalyzes the hydrolytic deamination of guanine, producing xanthine and ammonia. Studies in rat ortholog suggest this gene plays a role in microtubule assembly. Multiple transcript variants encoding different isoforms have been found for this gene. Recombinant mouse Gda, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography techniques.
Molecular Weight:	53.4 kDa (477aa) Confirmed by MALDI-TOF
NCBI Accession:	NP_034396
UniProt:	Q9R111

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl(pH 8.0) containing 0.15M NaCl, 1 mM DTT, 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	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.



SDS-PAGE

Image 1.