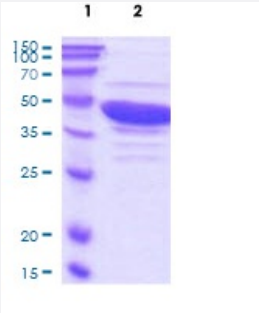
Bioactive Full-Length

GDA (Human) Recombinant Protein

Catalog # P7979 Size 20 ug

Applications



Specification

Product Description	Human GDA (Q9Y2T3, 1 a.a. - 454 a.a.) full length recombinant protein expressed in *Escherichia coli*.
Sequence	MCAAQMPPLAHIFRGTFVHSTWTCPMEVLRDHLLGVSDSGKIVFLEEASQQEKLAKEWCFKPCE IRELSHHEFFMPGLVDTHIHASQYSFAGSSIDLPLLEWLTKYTFPAEHRFQNIDFAEEVYTRVVRRT LKNGTTTACYFATIHTDSSLLLADITDKFGQRAFVGKVCMDLNDTFPEYKETTEESIKETERFVSEM LQKNYSRVKPIVTPRFSLSCSETLMGELGNIAKTRDLHIQSHISENRDEVEAVKNLYPSYKNYTSVY DKNNLLTNKTVMAHGCYLSAEELNVFHERGASIAHCPNSNLSLSSGFLNVLEVLKHEVKIGLGTDV AGGYSYSMLDAIRRAVMVSNILLINKVNEKSLTLKEVFRLATLGGSQALGLDGEIGNFEVGKEFDAI LINPKASDSPIDLFYGDFFGDISEAVIQKFLYLGDDRNIEEVYVGGKQVVPFSSSV
Host	Escherichia coli
Theoretical MW (kDa)	51
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 90% by SDS-PAGE
Activity	Specific activity is > 2000 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.

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Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol, 1 mM DTT)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — GDA

Entrez GeneID	9615
Protein Accession#	Q9Y2T3
Gene Name	GDA
Gene Alias	CYPIN, GUANASE, KIAA1258, MGC9982, NEDASIN
Gene Description	guanine deaminase
Omim ID	139260
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is an enzyme that catalyzes the hydrolytic deamination of guanine, producing xanthine and ammonia. It is also known as a cytosolic regulator of PSD-95 postsynaptic targeting. [provided by RefSeq
Other Designations	OTTHUMP00000021463

Pathway

- Metabolic pathways
- Purine metabolism

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Disease

- Tobacco Use Disorder

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