

Guanine Deaminase Active Protein | GDA active protein

Recombinant Human Guanine Deaminase, Active

CATALOG #
AAA39144

HOST
E Coli

PRODUCT SYNONYMS

Guanine Deaminase; Recombinant Human Guanine Deaminase; Active; GDA Human; Guanine Aminohydrolase; Guanine Aminase; P51-Nedasin; EC 3.5.4.3; GUANASE; GAH; Cytoplasmic PSD95 Interactor; KIAA1258; NEDASIN; CYPIN; Guanine Deaminase Human Recombinant; GDA active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	GDA protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.15M NaCl, 10% glycerol, 1mM DTT.
Sequence	<u>MGSSHHH HHHSSGLVPR GSHMGS MCAAQMPPLA HIFRGTFVHS TWTCPEVLR DHLLGVSDSG KIVFLEEASQ QEKLAKWCF KPCEIRELSH HEFFMPGLVD THIHASQYSF AGSSIDLPLL EWLTKYTTPA EHRFQNI DFA EEVYTRVVRR TLKNGTTTAC YFATIHTDSS LLLADITDKF QGRAFGKVC MDLNDTFPEY KETTEESIKE TERFVSEMLQ KNYSRVKPIV TPRFSLSCSE TLMGELGNIA KTRDLHIQSH ISENRDEVEA VKNLYPSYKN YTSVYDKNNL LTNKTVMAHG CYLSAEELNV FHERGASIAH CPNSNLSLSS GFLNVLEVLK HEVKIGLGT D VAGGYSYSML DAIRRAVMVS NILLINKVNE KSLTLKEVFR LATLGGSQAL GLDGEIGNFE VGKEFDAILI NPKASDSPID LFYGDFFGDI SEAVIQKFLY LGDDRNIEEV YVGGKQVVPF SSSV</u>
Sequence Length	471
Biological Activity	Specific activity is > 2,000 pmol/min/ug, and is defined as the amount of enzyme that convert guanine to xanthine per minute at pH 8.0 at 37C.
Physical Appearance	Sterile filtered colorless solution.
Preparation and Storage	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.

ADDITIONAL INFORMATION

Related Product Information for GDA active protein	Description: GDA Human Recombinant produced in E Coli is a single polypeptide chain containing 477 amino acids (1-454) and having a molecular mass of 53kDa. GDA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Product Categories/Family for GDA active protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	335335014
NCBI GeneID	9615
NCBI Accession #	NP_001229434.1
NCBI GenBank Nucleotide #	NM_001242505.2
UniProt Accession #	Q9Y2T3 ; Q5SZC7 ; Q9H335 ; Q9ULG2 ; B4DTY5
NCBI Official Full Name	guanine deaminase isoform a

NCBI Official Synonym Full Names	guanine deaminase
NCBI Official Symbol	GDA
NCBI Official Synonym Symbols	CYPIN; GUANASE; NEDASIN
NCBI Protein Information	guanine deaminase
UniProt Protein Name	Guanine deaminase
UniProt Gene Name	GDA
UniProt Synonym Gene Names	KIAA1258; Guanase; Guanine aminase; GAH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-gda-active-protein/guanine-deaminase/39144>