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



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Quantity:	100 μg
Target:	GDA
Protein Characteristics:	AA 1-454
Origin:	Human
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 METGPEDPSS MPEESSPRRT PQSIPYQDLP HLVNADGQYL
	FCRYWKPTGT PKALIFVSHG AGEHSGRYEE LARMLMGLDL LVFAHDHVGH GQSEGERMVV
	SDFHVFVRDV LQHVDSMQKD YPGLPVFLLG HSMGGAIAIL TAAERPGHFA GMVLISPLVL
	ANPESATTFK VLAAKVLNLV LPNLSLGPID SSVLSRNKTE VDIYNSDPLI CRAGLKVCFG
	IQLLNAVSRV ERALPKLTVP FLLLQGSADR LCDSKGAYLL MELAKSQDKT LKIYEGAYHV
	LHKELPEVTN SVFHEINMWV SQRTATAGTA SPP
Purity:	> 85 % by SDS - PAGE
Biological Activity Comment:	Specific activity is >170 units/mg, and is defined as the amount of enzyme that hydrolyze 1.0

#### **Target Details**

Target:	GDA
Alternative Name:	GDA (GDA Products)
Background:	MGLL is membrane-associated member of the serine hydrolase superfamily. MGLL functions together with hormone-sensitive lipase (LIPE) to hydrolyze intracellular triglyceride stores in adipocytes and other cells to fatty acids and glycerol. MGLL may also complement lipoprotein lipase (LPL) in completing hydrolysis of monoglycerides resulting from degradation of lipoprotein triglycerides. It is most abundantly expressed in skeletal muscle and adipose tissue. Recombinant human MGLL protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Molecular Weight:	36.4 kDa(333aa), confirmed by MALDI-TOF
NCBI Accession:	NP_009214
UniProt:	Q99685

### **Application Details**

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

## Handling

Liquid

Format:

Concentration:	0.5 mg/mL	
Buffer:	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 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.	