

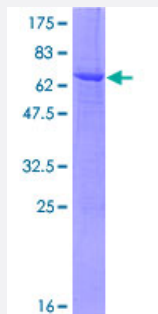
Full-Length

MGLL (Human) Recombinant Protein (P01)

Catalog # H00011343-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MGLL full-length ORF (NP_009214.1, 1 a.a. - 313 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

METGPEDPSSMPEESSPRRTPQSIPYQDLPHLVNADGQYLCRYWKPTGTPKALIFVSHGAGEH
SGRYEELARMLMGLDLLVFAHDHVGHGQSEGERMVVSDFHVFVRDVLQHVDSMQKDYPGLPV
FLLGHSMGGAIALTAAERPGHFAGMVLISPLVLNPESATTFKVLAAKVLNLVLPNLSLGPIDSSVL
SRNKTEVDIYNSDPLICRAGLKVCFGIQLLNAVSRVERALPKLTPFLLQGSADRLCDSKGAYLL
MELAKSQDKTLKIYEGAYHVLHKELPEVTNSVFHEINMWVSQRTATAGTASPP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.7

Interspecies Antigen Sequence

Mouse (83); Rat (83)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MGLL

Entrez GeneID[11343](#)**GeneBank Accession#**[NM_007283.5](#)**Protein Accession#**[NP_009214.1](#)**Gene Name**

MGLL

Gene Alias

HU-K5, HUK5, MGL

Gene Description

monoglyceride lipase

Omim ID[609699](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Monoglyceride lipase (MGLL; EC 3.1.1.23) functions together with hormone-sensitive lipase (LIP E; MIM 151750) to hydrolyze intracellular triglyceride stores in adipocytes and other cells to fatty acids and glycerol. MGLL may also complement lipoprotein lipase (LPL; MIM 238600) in completing hydrolysis of monoglycerides resulting from degradation of lipoprotein triglycerides (Karlsson et al., 2001 [PubMed 11470505]).[supplied by OMIM]

Other Designations

lysophospholipase-like|monoacylglycerol lipase

Publication Reference

- [The phospholipase A1 activity of lysophospholipase A-I links platelet activation to LPA production during blood coagulation.](#)

Bolen AL, Naren AP, Yarlagadda S, Beranova-Giorgianni S, Chen L, Norman D, Baker DL, Rowland MM, Best MD, Sano T, Tsukahara T, Liliom K, Igarashi Y, Tigyi G.

J Lipid Res 2011 Mar; 52:958.

Application: Func, Human, Platelets

Pathway

- [Glycerolipid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Alcoholism](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)