

Recombinant Mouse MGLL Protein (1-303 aa), His-tagged

Cat. No. MGLL-2105M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse MGLL Protein (1-303 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cardiovascular. Protein Description: Full Length.
Species	Mouse
Source	Yeast
ProteinLength	1-303 aa
Description	Converts monoacylglycerides to free fatty acids and glycerol. Hydrolyzes the endocannabinoid 2-arachidonoylglycerol, and thereby contributes to the regulation of endocannabinoid signaling, nociperception and perception of pain (PubMed:9341166, PubMed:17700715, PubMed:18096503, PubMed:19029917, PubMed:20729846). Regulates the levels of fatty acids that serve as signaling molecules and promote cancer cell migration, invasion and tumor growth (By similarity).
Form	Tris-based buffer,50% glycerol
Molecular Mass	35.4 kDa
AA Sequence	MPEASSPRRTPQNVQDLPFLVNADGQYLFCRYWKPSGTPKALIFVSHGAGEHC GRYDELAHMLKGLDMLVFAHDHVGHGQSEGERMVVSDFQVFVRDVLQHVDTIQKD YDPVPIFLLGHSMGGAISILVAAERPTYFSGMVLISPLVLANPESASTLKVLAAKLLNF VLPNMTLGRIDSSVLSRNKSEVDLYNSDPLVCRAGLKVCFGIQLLNAVARVERAMPR

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LTLPFLLLQGSADRLCDSKGYLLMESSRSQDKTLKMYEGAYHVLHRELPEVTNSVL
HEVNSWVSHRIAAAGAGCPP

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name [Mgll monoglyceride lipase \[Mus musculus \]](#)

Official Symbol [MGLL](#)

Synonyms MGLL; monoglyceride lipase; monoacylglycerol lipase; Mgl; Magl; AA589436;

Gene ID [23945](#)

mRNA Refseq [NM_001166249](#)

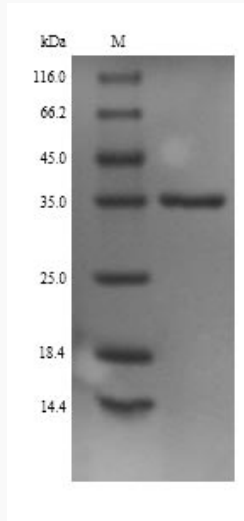
Protein Refseq [NP_001159721](#)

UniProt ID [O35678](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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