

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

Cat. No. MGLL-2215M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse MGLL Protein (1-303 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cardiovascular. Protein Description: Full Length.
Species	Mouse
Source	E.coli
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, nociception and perception of pain. Regulates the levels of fatty acids that serve as signaling molecules and promote cancer cell migration, invasion and tumor growth.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	49.4 kDa
AA Sequence	MPEASSPRRTPQNVQDLPVHNLVADGQYLCRYWKPSGTPKALIFVSHGAGEHC GRYDELAHMLKGLDMLVFAHDHVGHGQSEGERMVVSDFQVFVRDVLQHVDTIQKD YDPVPIFLLGHSMGGAISILVAAERPTYFSGMVLISPLVLANPESASTLKVLAAKLLNF VLPNMTLGRIDSSVLSRNKSEVDLYNSDPLVCRAGLKVCFGIQLLNAVARVERAMPR

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LTLPFLLLQGSADRLCDSKGAYLLMESSRSQDKTLKMYEGAYHVLHRELPEVTNSVL
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 will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

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

Official Symbol [MGLL](#)

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

Gene ID [23945](#)

mRNA Refseq [NM_001166249](#)

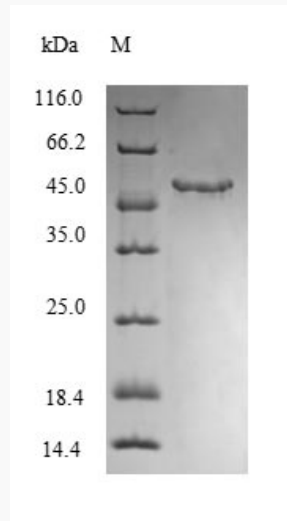
Protein Refseq [NP_001159721](#)

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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