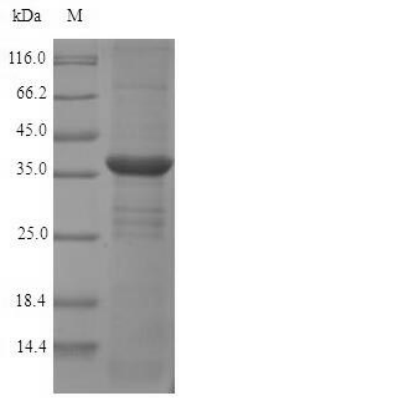
Recombinant Rat Monoglyceride lipase (Mgll)

Product Code	CSB-YP013787RA
Relevance	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. Regulates the levels of fatty acids that serve as signaling molecules and promote cancer cell migration, invasion and tumor growth.
Abbreviation	Recombinant Rat Mgll protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8R431
Alias	MGL Alternative name(s): Monoacylglycerol lipase Short name: MAGL
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MPEASSPRRTPQNVPYQDLPHLVNADGQYLFCRYWKPSGTPKALIFVSHGAG EHCGRYDELAQMLKRLDMLVFAHDHVGHGQSEGERMVVSDFQVFVRDLLQH VNTVQKDYPEVPVFLLGHSMGGAISILAAAERPTHFSGMILISPLILANPESASTL KVLAAKLLNFVLPNISLGRIDSSVLSRNKSEVDLYNSDPLICHAGVKVCFGIQLL NAVSRVERAMPRLTLPFLLLQGSADRLCDSKGAYLLMESSPSQDKTLKMYEG AYHVLHKELPEVTNSVLHEINTWVSHRIAVAGARCLP
Research Area	Cardiovascular
Source	Yeast
Target Names	Mgll
Protein Names	Recommended name: Monoglyceride lipase Short name= MGL EC= 3.1.1.23Alternative name(s): Monoacylglycerol lipase Short name= MAGL
Expression Region	1-303aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	34.8 kDa
Protein Length	Full Length
Image	



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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