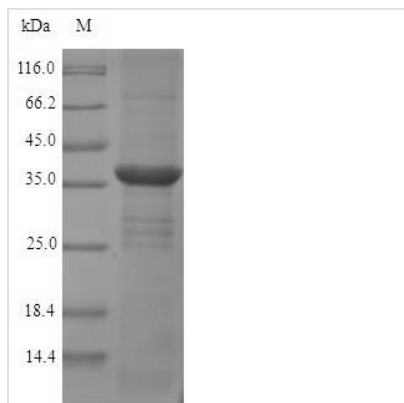




# Recombinant Rat Monoglyceride lipase (MgII)

<b>Product Code</b>	CSB-YP013787RA
<b>Relevance</b>	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.
<b>Abbreviation</b>	Recombinant Rat MgII protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q8R431
<b>Alias</b>	MGL Alternative name(s): Monoacylglycerol lipase Short name: MAGL
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MPEASSPRRTPQNVQDLPHLVNADGQYLFCRYWKPSGTPKALIFVSHGAG EHCGRYDELAQMLKRLDMLVFAHDHVGHGQSEGERMVVSDFQVFVRDLLQH VNTVQKDYPEVPVFLGHSMGGAISILAAAERPHTFSGMILISPLILANPESASTL KVLAAKLLNFVLPNISLGRIDSSVLSRNKSEVDLYNSDPLICHAGVKVCFGIQLL NAVSRVERAMPRLTLPFLLLQGSADRLCDSKGAYLLMESSPSQDKTLKMYEG AYHVLHKELPEVTNSVLHEINTWVSHRIAVAGARCLP
<b>Research Area</b>	Cardiovascular
<b>Source</b>	Yeast
<b>Target Names</b>	MgII
<b>Protein Names</b>	Recommended name: Monoglyceride lipase Short name= MGL EC= 3.1.1.23 Alternative name(s): Monoacylglycerol lipase Short name= MAGL
<b>Expression Region</b>	1-303aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	34.8 kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(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

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.