

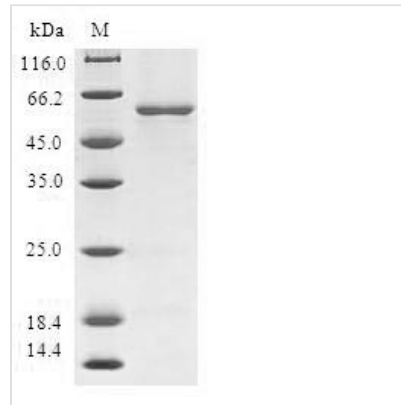


Recombinant Human Monoglyceride lipase (MGLL)

Product Code	CSB-EP013787HU
Relevance	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
Abbreviation	Recombinant Human 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.	Q99685
Alias	HU-K5 Lysophospholipase homolog Lysophospholipase-like Monoacylglycerol lipase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MPEESSPRRTPQSIPYQDLPHLVNADGQYLFCRYWKPTGTPKALIFVSHGAGE HSGRYEELARMLMGLDLLVFAHDHVGHGQSEGERMVVSDFHVFVRDVLQHV DSMQKDYPGLPVFLLGHSMGGAIAILTAERPGHFAGMVLISPLVLANPESATT FKVLAAKVLNLVLPNLSLGPIDSSVLSRNKTEVDIYNSDPLICRAGLKVCFGIQLL NAVSVERALPKLTPFLLLQGSADRLCDSKGAYLLMELAKSQDKTLKIYEGAY HVLHKELPEVTNSVFHEINMWVSQRTATAGTASPP
Research Area	Cardiovascular
Source	E.coli
Target Names	MGLL
Protein Names	Recommended name: Monoglyceride lipase Short name= MGL EC= 3.1.1.23 Alternative name(s): HU-K5 Lysophospholipase homolog Lysophospholipase-like 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 GST-tagged
Mol. Weight	60.3kDa
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

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.