

Bioactive

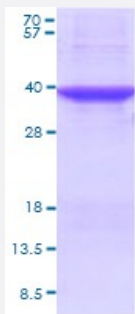
Full-Length

# MGLL (Human) Recombinant Protein

Catalog # P6815

Size 5 ug

## Applications



15% SDS-PAGE Stained with Coomassie Blue.

## Specification

|                                |                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Human MGLL (NP_009214, 1 a.a. - 313 a.a.) full length recombinant protein with His tag expressed in <i>Escherichia coli</i> .                                                |
| <b>Host</b>                    | <i>Escherichia coli</i>                                                                                                                                                      |
| <b>Theoretical MW (kDa)</b>    | 36.4                                                                                                                                                                         |
| <b>Form</b>                    | Liquid                                                                                                                                                                       |
| <b>Preparation Method</b>      | <i>Escherichia coli</i> expression system                                                                                                                                    |
| <b>Purity</b>                  | > 85% by SDS-PAGE                                                                                                                                                            |
| <b>Activity</b>                | Specific activity is > 170 unit/mg, and is defined as the amount of enzyme that hydrolyze 1.0 umole of p-nitrophenyl butyrate to p-nitrophenol per minute at pH 7.5 at 25°C. |
| <b>Quality Control Testing</b> | SDS-PAGE Stained with Coomassie Blue<br>15% SDS-PAGE Stained with Coomassie Blue.                                                                                            |
| <b>Recommend Usage</b>         | SDS-PAGE<br>The optimal working dilution should be determined by the end user.                                                                                               |
| <b>Storage Buffer</b>          | In 20 mM Tris-HCl, pH 8.0 (10% glycerol)                                                                                                                                     |

**Storage Instruction**

Store at -20°C. For long term storage store at -80°C.  
Aliquot to avoid repeated freezing and thawing.

## Applications

- SDS-PAGE

## Gene Info — MGLL

**Entrez GeneID** [11343](#)

**Protein Accession#** [Q99685](#)

**Gene Name** MGLL

**Gene Alias** HU-K5, HUK5, MGL

**Gene Description** monoglyceride lipase

**Omim ID** [609699](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** Monoglyceride lipase (MGLL; EC 3.1.1.23) functions together with hormone-sensitive lipase (LIP E; MIM 151750) to hydrolyze intracellular triglyceride stores in adipocytes and other cells to fatty acids and glycerol. MGLL may also complement lipoprotein lipase (LPL; MIM 238600) in completing hydrolysis of monoglycerides resulting from degradation of lipoprotein triglycerides (Karlsson et al., 2001 [PubMed 11470505]).[supplied by OMIM]

**Other Designations** lysophospholipase-like|monoacylglycerol lipase

## Pathway

- [Glycerolipid metabolism](#)
- [Metabolic pathways](#)

## Disease

- [Alcoholism](#)
- [Cardiovascular Diseases](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)