

MGLL Human

Description: MGLL Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 333 amino acids (1-313 a.a.) and having a molecular mass of 36.4kDa. The MGLL is purified by proprietary chromatographic techniques.

Catalog #:ENPS-026

For research use only.

Synonyms: Monoglyceride lipase, MGL, HU-K5, Lysophospholipase homolog, Lysophospholipase-like, Monoacylglycerol lipase, MAGL, MGLL, HUK5.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH METGPEDPSS MPEESSPRRT
PQSIPYQDLP HLVNADGQYL FCRYWKP TGT PKALIFVSHG AGEHSGRYEE LARMLMGLDL
LVFAHDHVGH GQSEGERMVV SDFHVFVRDV LQHVDSMQKD YPGLPVFLLG HSMGGAAIL
TAAERPGHFA GMVLISPLVL ANPESATTFK VLA AKVLNLV LPNLSLGPID SSVLSRNKTE
VDIYNSDPLI CR

Purity: Greater than 85.0% as determined by SDS-PAGE.

Formulation:

The MGLL solution (0.5 mg/ml) contains 20mM Tris-HCl Buffer (pH 8.0) and 10% Glycerol.

Stability:

MGLL should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

MGLL is a membrane-associated member of the serine hydrolase superfamily. MGLL is expressed in abundance in skeletal muscle and adipose tissue. MGLL functions jointly with hormone-sensitive lipase (LIPE) to hydrolyze intracellular triglyceride stores in adipocytes and other cells to fatty acids and glycerol. MGLL may also complement lipoprotein lipase (LPL) in completing hydrolysis of monoglycerides resulting from degradation of lipoprotein triglycerides.

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