

Recombinant Human Monoglyceride Lipase MGLL

Catalogue Number	ENZ-019
Synonyms	Monoglyceride lipase, MGL, HU-K5, Lysophospholipase homolog, Lysophospholipase-like, Monoacylglycerol lipase, MAGL, MGLL, HUK5.
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.
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.
Source	Escherichia Coli.
Physical Appearance	Sterile Filtered colorless solution.
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.
Purity	Greater than 85.0% as determined by SDS-PAGE.
Amino acid sequence	MGSSHHHHHH SSGLVPRGSH METGPEDPSS MPEESSPRRT PQSIPYQDLP HLVNADGQYL FCRYWKPTGT PKALIFVSHG AGEHSGRYEE LARMLMGLDL LVFAHDHVGH GQSEGERMVV SDFHVFVRDV LQHVDSMQKD YPGLPVFLLG HSMGGAIIL TAAERPGHFA GMVLISPLVL ANPESATTFK VLAAKVLNLV LPNLSLGPID SSVLSRNKTE VDIYNSDPLI CRAGLKVCFG IQLLNAVSRV ERALPKLTVP FLLQGSADR LCDSKGAYLL MELAKSQDKT LKIYEGAYHV LHKELPEVTN SVFHEINMWV SQRTATAGTA SPP.
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