
MGLL, 1-313aa, Human, His-tag, E.coli (Bioactivity Validated)

Cat.NO.: TP02965

3th Edition

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

Description: MGLL is membrane-associated member of the serine hydrolase superfamily. MGLL functions together 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. It is most abundantly expressed in skeletal muscle and adipose tissue. Recombinant human MGLL protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form: Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol

Molecular Weight: 36.4 kDa(333aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMETGPEDPSSMPEESSPRRTPQSIPYQDLPHLVNADGQYLFCRYWKPTGTPKAL
IFVSHGAGEHSGRYEELARMLMGLDLLVFAHDHVGHGQSEGERMVVSDHFVVRDVLQHVDSMQKDYPGLPVFL
LGHSMGGAIALTAERPGRHFAGMVLISPLVLANPESATTFKVLAAKVLNVLVLPNLSLGPIDSSVLSRNKTEVDIYNSD
PLICRAGLKVCFGIQLLNAVSRVERALPKLTVPFLLLQGSADRLCDSKGAYLLMELAKSQDKTLKIYEGAYHVLHKEL
PEVTNSVFHEINMWVSQRTATAGTASPP

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.