

Recombinant Full Length Human MGLL Protein, GST-tagged

Cat. No. MGLL-6515HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MGLL full-length ORF (NP_009214.1, 1 a.a. - 313 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	313 amino acids
Description	Monoglyceride lipase (MGLL; EC 3.1.1.23) functions together with hormone-sensitive lipase (LIPE; 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
Molecular Mass	60.7 kDa
AA Sequence	METGPEDPSSMPEESSPRRTPQSIPYQDLPHLVNADGQYLFCRYWKPTGTPKALIF VSHGAGEHSGRYEELARMLMGLDLLVFAHDHVGHGQSEGERMVVSDFHVFVRDVL QHVDSMQKDYPGLPVFLLGHSMGGAIALTAERPGHFAGMVLISPLVLANPESATT FKVLAAKVLNLVLPNLSLGPIDSSVLSRNKTEVDIYNSDPLICRAGLKVCFGIQLLNAV SRVERALPKLTVPFLLLQGSADRLCDSKGAYLLMELAKSQDKTLKIYEGAYHVLHKEL PEVTNSVFHEINMWVSQRTATAGTASPP

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	MGLL monoglyceride lipase [Homo sapiens]
Official Symbol	MGLL
Synonyms	MGLL; monoglyceride lipase; HU K5; MGL; monoacylglycerol lipase; lysophospholipase homolog; HUK5; MAGL; HU-K5;
Gene ID	11343
mRNA Refseq	NM_001003794
Protein Refseq	NP_001003794
MIM	609699
UniProt ID	Q99685

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