

Recombinant Human MGLL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MGLL-2006H Lot. No. (See product label)

SPECIFICATION

Product Overview	MGLL MS Standard C13 and N15-labeled recombinant protein (NP_009214) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a serine hydrolase of the AB hydrolase superfamily that catalyzes the conversion of monoacylglycerides to free fatty acids and glycerol. The encoded protein plays a critical role in several physiological processes including pain and nociception through hydrolysis of the endocannabinoid 2-arachidonoylglycerol. Expression of this gene may play a role in cancer tumorigenesis and metastasis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	34.1 kDa
AA Sequence	METGPEDPSSMPEESSPRRTPQSIPYQDLPHLVNADGQYLFCRYWKPTGTPKALIF VSHGAGEHSGRYEELARMLMGLDLLVFAHDHVGHGQSEGERMVVSDFHVFVRDVL QHVDMSMQKDYPGLPVFLLGHSMGGAIALTAERPGHFAGMVLISPLVLANPESATT FKVLAAKVLNVLPNLSLGPIDSSVLSRNKTEVDIYNSDPLICRAGLKVCFGIQLLNAV SRVERALPKLTVPFLLLQGSADRLCDSKGAYLLMELAKSQDKTLKIYEGAYHVLHKEL PEVTNSVFHEINMWVSQRTATAGTASPPTTRTRPLEQKLISEEDLAANDILDYKDDDD

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	KV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	MGLL monoglyceride lipase [Homo sapiens (human)]
Official Symbol	MGLL
Synonyms	MGLL; monoglyceride lipase; HU K5; MGL; monoacylglycerol lipase; lysophospholipase homolog; HUK5; MAGL; HU-K5;
Gene ID	11343
mRNA Refseq	NM_007283
Protein Refseq	NP_009214
MIM	609699
UniProt ID	Q99685

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SDS-PAGE



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