

Recombinant Full Length Human MGLL Protein, C-Flag-tagged

Cat. No. MGLL-730HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MGLL Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	34.1 kDa
AA Sequence	METGPEDPSSMPEESSPRRTPQSIPYQDLPHLVNADGQYLFCRYWKPTGTPKALIF VSHGAGEHSGRYEE LARMLMGLDLLVFAHDHVGHGQSEGERMVVSDFHVFVRDV LQHVDSMQKDYPGLPVFLLGHSMGGAAIL TAAERPGHFAGMVLISPLVLANPESAT TFKVLAALKVLNLVLPNLSLGPIDSSVLSRNKTEVDIYNSDPLI CRAGLKVCFGIQLLNA VSRVERALPKLTPFLLLQGSADRLCDSKGAYLLMELAKSQDKTLKIYEGAYHV LHKELPEVTNSVFHEINMWVSQRTATAGTASPPTTRTRPLEQKLISEEDLAANDILDYK

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	DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protease
Protein Pathways	Glycerolipid metabolism, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	MGLL monoglyceride lipase [Homo sapiens (human)]
Official Symbol	MGLL
Synonyms	MGL; HUK5; MAGL; HU-K5
Gene ID	11343
mRNA Refseq	NM_007283.7

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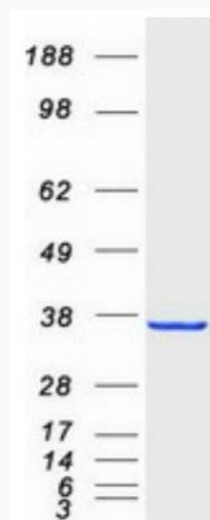
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Protein Refseq NP_009214.1

MIM 609699

UniProt ID Q99685



Coomassie blue staining of purified MGLL protein.

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