

Product datasheet for **TP318358L**

Monoacylglycerol Lipase (MGLL) (NM_007283) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human monoglyceride lipase (MGLL), transcript variant 1, 1 mg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC218358 representing NM_007283
Red=Cloning site **Green**=Tags(s)

METGPEDPSSMPEESSPRRTPQSIPYQDLPHLVNADGQYLFCRYWKPTGTPKALIFVSHGAGEHSGRYEE
LARMLMGLDLLVFAHDHVGHGQSEGERMVVSDFHVVRDVLQHVDSMQKDYPGLPVFLLGHSMGGAIAL
TAAERPGHFAGMVLISPLVLANPESATTFKVLAAKVLNVLNLSLGPIDSSVLSRNKTEVDIYNSDPLI
CRAGLKVCFGIQLLNAVSRVERALPKLTVPFLLQGSADRLCDSKGAYLLMELAKSQDKTLKIYEGAYHV
LHKELPEVTNSVFHEINMWVSQRTATAGTASPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 34.1 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C.
Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq: [NP_009214](#)
Locus ID: 11343



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UniProt ID: [Q99685](#), [A0A0C4DFN3](#)

RefSeq Size: 4617

Cytogenetics: 3q21.3

RefSeq ORF: 939

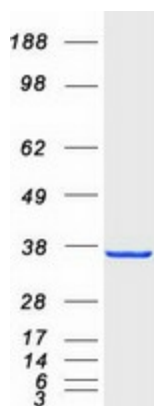
Synonyms: HU-K5; HUK5; MAGL; MGL

Summary: 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. [provided by RefSeq, Feb 2012]

Protein Families: Druggable Genome, Protease

Protein Pathways: Glycerolipid metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified MGLL protein (Cat# [TP318358]). The protein was produced from HEK293T cells transfected with MGLL cDNA clone (Cat# [RC218358]) using MegaTran 2.0 (Cat# [TT210002]).