

## Product datasheet for **TP318358M**

### 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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218358 representing NM_007283 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>METGPEDPSSMPEESSPRRTPQSIPYQDLPHLVNADGQYLFCRYWKPTGTPKALIFVSHGAGEHSGRYEE LARMLMGLDLLVFAHDHVGHGQSEGERMVVSDFHVVRDVLQHVDSMQKDYPGLPVFLLGHSMGGAIAL TAAERPGHFAGMVLISPLVLANPESATTFKVLAAKVLNVLNLSLGPIDSSVLSRNKTEVDIYNSDPLI CRAGLKVCFGIQLLNAVSRVERALPKLTVPFLLQGSADRLCDSKGAYLLMELAKSQDKTLKIYEGAYHV LHKELPEVTNSVFHEINMWVSQRTATAGTASPP</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
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:	<a href="#">NP_009214</a>
Locus ID:	11343



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

RefSeq Size: 4617

Cytogenetics: 3q21.3

RefSeq ORF: 939

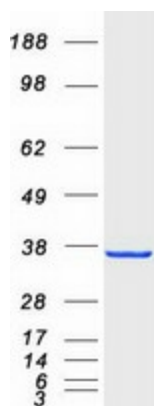
Synonyms: HU-K5; HUK5; MAGL; MGL

**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]).