

## Product datasheet for **TP318358**

### 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, 20 µg

**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

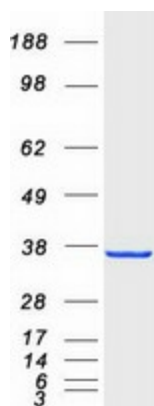
Synonyms: HU-K5; HUK5; MAGL; MGL

**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]).