

Datasheet for ABIN7562358
MGLL Protein (AA 1-303) (His tag)



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Overview

Quantity:	1 mg
Target:	MGLL
Protein Characteristics:	AA 1-303
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MGLL protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MglI Protein expressed in mammalian cells.
Sequence:	<p>MPEASSPRRT PQNVPYQDLP HLVNADGQYL FCRYWKPSGT PKALIFVSHG AGEHCGRYDE LAHMLKGLDM LVFAHDHVGH GQSEGERMVV SDFQVFVRDV LQHVDTIQKD YPDVPIFLLG HSMGGAISIL VAAERPTYFS GMVLISPLVL ANPESASTLK VLAAKLLNFV LPNMTLGRID SSVLSRNKSE VDLYNSDPLV CRAGLKVCFG IQLLNAVARV ERAMPRLTLP FLLLQGSADR LCDSKGAYLL MESSRSQDKT LKMYEGAYHV LHRELPEVTN SVLHEVNSWV SHRIAAAGAG CPP</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	MGLL
Alternative Name:	Mgll (MGLL Products)
Background:	Monoglyceride lipase (MGL) (EC 3.1.1.23) (Monoacylglycerol lipase) (MAGL),FUNCTION: Converts monoacylglycerides to free fatty acids and glycerol (PubMed:9341166, PubMed:17700715, PubMed:18096503, PubMed:19029917, PubMed:20554061, PubMed:20729846, PubMed:21454566). Hydrolyzes the endocannabinoid 2-arachidonoylglycerol, and thereby contributes to the regulation of endocannabinoid signaling, nociperception and perception of pain (PubMed:9341166, PubMed:17700715, PubMed:18096503, PubMed:19029917, PubMed:20554061, PubMed:20729846, PubMed:21454566). Regulates the levels of fatty acids that serve as signaling molecules and promote cancer cell migration, invasion and tumor growth (By similarity). {ECO:0000250 UniProtKB:Q99685, ECO:0000269 PubMed:17700715, ECO:0000269 PubMed:18096503, ECO:0000269 PubMed:19029917, ECO:0000269 PubMed:20554061, ECO:0000269 PubMed:20729846, ECO:0000269 PubMed:21454566, ECO:0000269 PubMed:9341166}.
Molecular Weight:	33.4 kDa

Target Details

UniProt: [O35678](#)

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling, Lipid Metabolism](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months