

Product datasheet

Recombinant Human Monoacylglycerol Lipase/MGL protein ab101045

1 Image

Description	
Product name	Recombinant Human Monoacylglycerol Lipase/MGL protein
Purity	> 85 % SDS-PAGE. purified by using conventional chromatography
Expression system	Escherichia coli
Accession	<u>Q99685</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSH METGPEDPSSMPEESSP RRTPQSIPYQDLP HLVNADGQYLFCRYWKPTGTPKALIFVSHGAGEHSGRYE ELARMLMGLDL LVFAHDHVGHGQSEGERMVVSDFHVFVRDVLQHVDSMQ KDYPGLPVFLLG HSMGGAIAILTAAERPGHFAGMVLISPLVLANPESATTFKV LAAKVLNLV LPNLSLGPIDSSVLSRNKTEVDIYNSDPLICRAGLKVCFGIQ LLNAVSRV ERALPKLTVPFLLLQGSADRLCDSKGAYLLMELAKSQDKT LKIYEGAYHV LHKELPEVTNSVFHEINMWVSQRTATAGTASPP
Predicted molecular weight	36 kDa including tags
Amino acids	1 to 333
Tags	His tag N-Terminus

Specifications	
Our Abpromise guarantee covers the use of ab101045 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	SDS-PAGE

Mass spectrometry	MALDI-TOF
Form	Liquid
Additional notes	This product was previously labelled as Monoacylglycerol Lipase

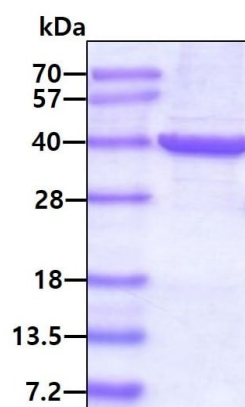
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)
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General Info

Function	Converts monoacylglycerides to free fatty acids and glycerol. Hydrolyzes the endocannabinoid 2-arachidonoylglycerol, and thereby contributes to the regulation of endocannabinoid signaling, nociception and perception of pain (By similarity). Regulates the levels of fatty acids that serve as signaling molecules and promote cancer cell migration, invasion and tumor growth.
Tissue specificity	Detected in adipose tissue, lung, liver, kidney, brain and heart.
Pathway	Glycerolipid metabolism; triacylglycerol degradation.
Sequence similarities	Belongs to the AB hydrolase superfamily. Monoacylglycerol lipase family.

Images



3µg by SDS-PAGE under reducing conditions and visualized by coomassie blue stain.

SDS-PAGE - Recombinant Human
Monoacylglycerol Lipase/MGL protein (ab101045)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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