

Recombinant Rat MglI, His-tagged

Cat. No. MglI-206R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat MglI was expressed in Yeast.
Species	Rat
Source	Yeast
ProteinLength	AA 1-303
Description	serine hydrolase that converts monoglycerides to fatty acid and glycerol; may play a role in retrograde signaling at central synapses and other forms of short-range neuronal communication.
Form	Liquid
AA Sequence	MPEASSPRRT PQNVPYQDL PHLVNADGQYL FCRYWKPSGT PKALIFVSHG AGEHCGRYDE LAQMLKRLDM LVFAHDHVGH GQSEGERMVV SDFQVFVRDL LQHVNTVQKD YPEVPVFLG HSMGGAISIL AAAERPTHFS GMILISPLIL ANPESASTLK VLAACKLLNFV LPNISLGRID SSVLSRNKSE VDLYNSDPLI CHAGVKVCFG IQLLNAVSRV ERAMPRLTLP FLLLQGSADR LCDSKGAYLL MESSPSQDKT LKMYEGAYHV LHKELPEVTN SVLHEINTWV SHRIAVAGAR CLP
Purity	>90 %
Characteristic	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and

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	lead time.
Applications	ELISA
Storage	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week. Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.
Concentration	0.2-2 mg/mL
Storage Buffer	Tris-based buffer, 50 % glycerol
GENE INFORMATION	
Gene Name	Mgll monoglyceride lipase [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Mgll
Synonyms	Mgll; MAGL; monoglyceride lipase; monoacylglycerol lipase; NP_612511.1; EC 3.1.1.23; HU-K5; HUK5; MGL; Mgl; Magl; AA589436; cb909; wu:fc66g01; zgc:56561; MGC84195; MGLL; mgl; hu-k5; mgll
Gene ID	29254
mRNA Refseq	NM_138502
Protein Refseq	NP_612511
UniProt ID	Q8R431
Chromosome Location	4q34

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Pathway	Acyl chain remodeling of DAG and TAG; Arachidonate production from DAG; Gastrin-CREB signalling pathway via PKC and MAPK
Function	acylglycerol lipase activity; hydrolase activity; protein homodimerization activity

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