

Recombinant Rat Myelin-associated Glycoprotein

Cat. No. Mag-1796R Lot. No. (See product label)

SPECIFICATION

Species	Rat
Source	Mammalian Cells
Description	Myelin-associated glycoprotein (MAG) is a transmembrane proteins that is a component of myelin in the central and peripheral nervous system. It promotes neurite outgrowth during the embryonic development, but inhibits axonal regeneration in the adult nervous system. MAG mediates cell-cell interactions between myelinating glial cells and neurons.
Molecular Weight	The predicted molecular weight of Recombinant Rat MAG is Mr 81 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 120 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

GENE INFORMATION

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Gene Name	Mag myelin-associated glycoprotein [Rattus norvegicus]
Synonyms	Mag; myelin-associated glycoprotein; S-MAG (C-term.)
Gene ID	29409
mRNA Refseq	NM_017190
Protein Refseq	NP_058886
UniProt ID	P07722
Chromosome Location	1q21
Pathway	Cell adhesion molecules (CAMs)

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