Datasheet for ABIN7196922

MDGA2 Protein (His tag)

1 Image

Go to Product page

Overview

Quantity:	50 µg
Target:	MDGA2
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MDGA2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse MDGA2/MAMDC1 Protein (His Tag)
Sequence:	Met 1-Asp 924
Characteristics:	A DNA sequence encoding the mouse MDGA2 isoform 1 (P60755-1) without the propeptide (Met 1-Asp 924) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	MDGA2
Alternative Name:	MDGA2/MAMDC1 (MDGA2 Products)
Background:	Background: MAM domain-containing glycosylphosphatidylinositol anchor protein 2, also known as MAM domain-containing protein 1, MDGA2 and MAMDC1, is a cell membrane protein which contains six Ig-like (immunoglobulin-like) domains and one MAM domain. Analyses of

Target Details

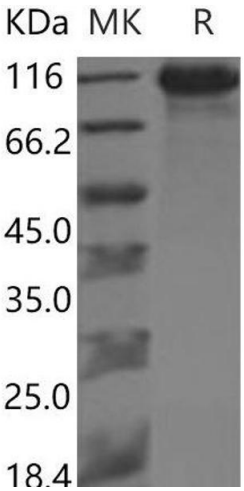
	the full-length coding region of MDGA1 and MDGA2 indicate that they encode proteins that comprise a novel subgroup of the Ig superfamily and have a unique structural organization consisting of six immunoglobulin (Ig)-like domains followed by a single MAM domain. Biochemical characterization demonstrates that MDGA1 and MDGA2 proteins are highly glycosylated, and that MDGA1 is tethered to the cell membrane by a GPI anchor. The MDGAs are differentially expressed by subpopulations of neurons in both the central and peripheral nervous systems, including neurons of the basilar pons, inferior olive, cerebellum, cerebral cortex, olfactory bulb, spinal cord, and dorsal root and trigeminal ganglia. The similarity of MDGAs to other Ig-containing molecules and their temporal-spatial patterns of expression within restricted neuronal populations, for example migrating pontine neurons and D1 spinal interneurons, suggest a role for these novel proteins in regulating neuronal migration, as well as other aspects of neural development, including axon guidance. Synonym: 6720489L24Rik;9330209L04Rik;Adp;Mamdc1
Molecular Weight:	103 kDa

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.