

Datasheet for ABIN7320193  
**OMG Protein (AA 1-245) (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	OMG
Protein Characteristics:	AA 1-245
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OMG protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse OMGP/OMG Protein (aa 1-245, His Tag)
Sequence:	Met 1-Thr 245
Characteristics:	A DNA sequence encoding the amino acids (Met 1-Thr 245) of mouse OMGP (Q63912) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

## Target Details

Target:	OMG
Alternative Name:	OMGP/OMG ( <a href="#">OMG Products</a> )
Background:	Background: Oligodendrocyte-myelin glycoprotein, also known as OMG and OMGP, is a cell

## Target Details

membrane protein which contains eight LRR (leucine-rich) repeats. OMG / OMGP is a glycosylphosphatidylinositol-anchored protein expressed by neurons and oligodendrocytes in the central nervous system (CNS). OMG / OMGP is a cell adhesion molecule contributing to the interactive process required for myelination in the central nervous system. OMG / OMGP play roles in both the developing and adult central nervous system. OMG / OMGP participates in growth cone collapse and inhibition of neurite outgrowth through its interaction with NgR, the receptor for Nogo. This function requires its leucine-rich repeat domain, a highly conserved region in OMGP during mammal evolution. OMG / OMGP leucine-rich repeat domain is also implicated in the inhibition of cell proliferation. OMG / OMGP may also be involved in the formation and maintenance of myelin sheaths. Cell proliferation, neuronal sprouting and myelination are crucial processes involved in brain development and regeneration after injury. Synonym: RP23-67E18.6, LNGFR, Tnfrsf16, p75, p75NGFR, p75NTR

Molecular Weight: 27 kDa

UniProt: [Q63912](#)

Pathways: [Neurotrophin Signaling Pathway](#), [Regulation of Cell Size](#)

## Application Details

Restrictions: For Research Use only

## Handling

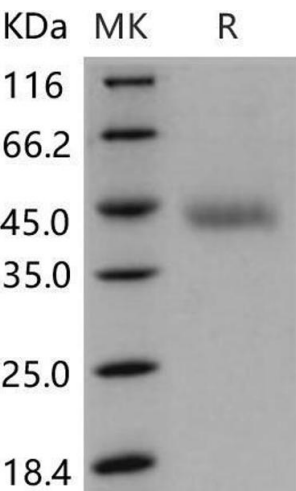
Format: Lyophilized

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.