

# Human OMGP (aa 1-416, His Tag) recombinant protein



Catalog Number: 502977

## General Information

### Protein Construction

A DNA sequence encoding the mature form of human OMGP (P23515-1) (Met 1-Pro 416) without the pro peptide was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by the ability of the immobilized protein to support the adhesion of C6 Rat brain glial cells. Human OMG immobilized at 0.8 µg/ml, 100 µl/well will mediate >15% C6 cell adhesion.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ile 25

### Molecular Mass

The secreted recombinant human OMGP comprises 403 amino acids and has a predicted molecular mass of 46 kDa. The apparent molecular mass of rh OMGP is approximately 120-130 kDa in SDS-PAGE under reducing conditions due to high glycosylation.

### Formulation

Lyophilized from sterile PBS, pH 7.4  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

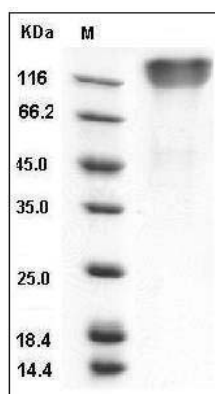
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human OMGP / OMG Protein (aa 1-416, His Tag)  
SDS-PAGE