

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

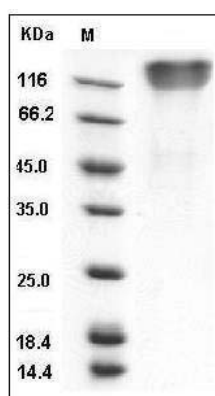
Storage

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