



Recombinant Human OMgp

Datasheet

Catalog Number:	PR15054-25	Product Type:	Recombinant protein
Source:	A DNA sequence encoding human OMgp (Met 1 - Asn 420) (Accession #; P23515; Mikol, D.D. <i>et al.</i> , 1990, J. Cell Biol. 110 :471 - 479) with a carboxyl-terminal 10 histidine tag was expressed in a mouse myeloma cell line, NS0.		
Molecular Mass:	Based on N-terminal amino acid sequencing, the recombinant human OMgp protein starts at Ile 25 and has a calculated molecular mass of 46 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 100 - 120 kDa protein in SDS-PAGE under reducing conditions. Based on N-terminal amino acid sequencing, the recombinant human OMgp protein starts at Ile 25 and has a calculated molecular mass of 46 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 100 - 120 kDa protein in SDS-PAGE under reducing conditions.		
Purity:	> 90%, as determined by SDS-PAGE and visualized by silver stain.		
Endotoxin Levels:	< 1.0 EU per 1 µg of the enzyme as determined by the LAL method.		
Activity:	<ul style="list-style-type: none">• Measured by its ability to inhibit neurite outgrowth of cultured embryonic chick dorsal root ganglia neurons.• Immobilized OMgp on nitrocellulose-backed microplate (at a 3 µL droplet containing 200 ng) is sufficient to significantly inhibit neurite outgrowth.• All experiments were done under carrier-free conditions.		
Format:	Lyophilized from a 0.2 µm filtered solution in PBS.		
Reconstitution:	It is recommended that sterile phosphate-buffered saline be added to the vial to prepare a working stock solution of no less than 100 µg/mL. The carrier-free protein should be used immediately upon reconstitution to avoid losses in activity due to non-specific binding to the inside surface of the vial. For long term storage as a dilute solution, a carrier protein (e.g. 0.1% HSA or BSA) should be added to the vial.		
Storage:	Lyophilized samples are stable for up to six months at -20° C to -70° C. Upon reconstitution, this cytokine, in the presence of a carrier protein, can be stored under sterile conditions at 2 - 8° C for one month or at -20° C to -70° C in a manual defrost freezer for three months without detectable loss of activity. Avoid repeated freeze-thaw cycles.		

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