

## OMGP Protein, Human (HEK293, His)

Cat. No.:	HY-P75948
Synonyms:	Oligodendrocyte-myelin glycoprotein; OMG; OMGP
Species:	Human
Source:	HEK293
Accession:	P23515 (M1-P416)
Gene ID:	4974
Molecular Weight:	120-130 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	OMGP protein, a cell adhesion molecule, plays a crucial role in the intricate process of myelination in the central nervous system. Its function involves binding to RTN4R, which contributes to the molecular interactions necessary for the essential steps of myelination. Myelination is a critical process in the development and maintenance of the nervous system, as it involves the formation of a protective myelin sheath around neuronal axons. OMGP's involvement in this process highlights its significance in promoting proper neural communication and ensuring the efficient transmission of electrical signals within the central nervous system.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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