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32-13350: OMG Human

Alternative Name : Oligodendrocyte-myelin glycoprotein, OMG, OMGP.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered clear solution.
Oligodendrocyte-myelin glycoprotein (OMG) is a cell membrane protein which contains 8 leucine-rich repeats. The OMG protein is expressed on the surface of oligodendrocytes and on large projection neurons, including Purkinje cells of the cerebellum, pyramidal cells of the hippocampus, motoneurons of the brainstem and anterior horn cells of the spinal cord. The neurite outgrowth inhibitory activities of all three myelin-derived proteins are mediated by binding to a joint receptor complex consisting of the Nogo receptor and the p75 neurotrophin receptor.
OMG Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 401 amino acids (25-418) and having a molecular mass of 45.4kDa (Molecular size on SDS-PAGE will appear at approximately 50-100kDa).OMG is fused to 8 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by analysis by SDS-PAGE.
Content :	OMG protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ICPLQCICTE RHRHVDCSGR NLSTLPSGLQ ENIIHLNLSY NHFTDLHNQL TQYTNLRTLD ISNNRLESLP AHLPRSLWNM SAANNNIKLL DKSDTAYQWN LKYLDVSKNM LEKVVLIKNT LRSLEVLNLS SNKLWTVPTN MPSKLHIVDL SNNSLTQILP GTLINLTNLT HLYLHNNKFT FIPDQSFDQL FQLQEITLYN NRWSCDHKQN ITYLLKWMME TKAHVIGTPC STQISSLKEH NMYPTPSGFT SSLFTVSGMQ TVDTINSLSV VTQPKVTKIP KQYRTKETTF GATLSKDTTF TSTDKAFVPY PEDTSTETIN SHEAAAATLT IHLQDGMVTN TSLTSSTKSS PTPMTLSITS GMPNNFSEMP QQSTTLNLWR EETTTNVKTP LPSVEHHHHH H.

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